

FIG. 1

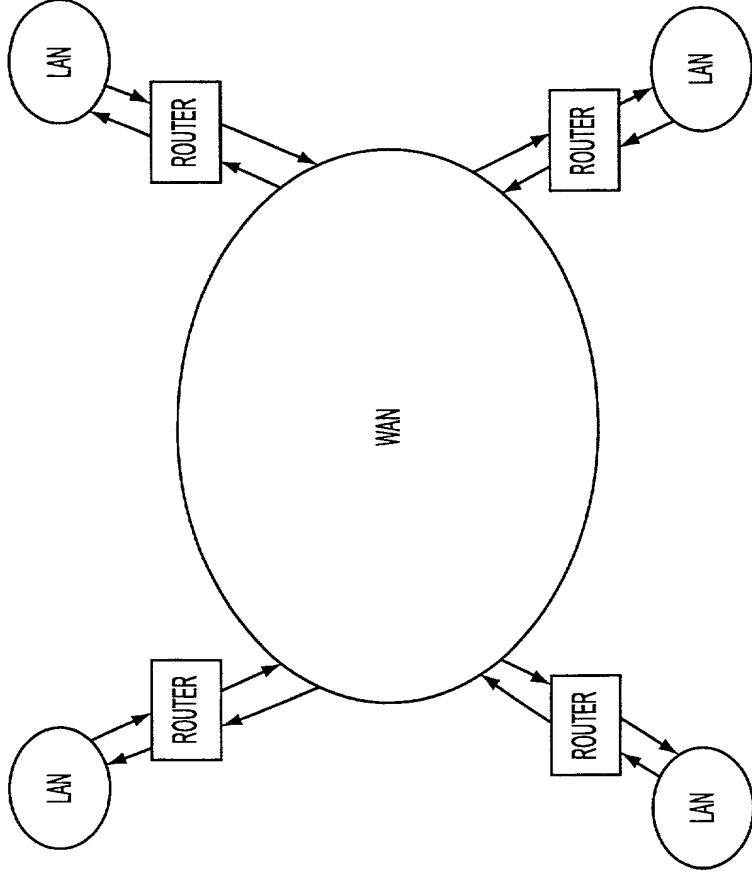


FIG. 2

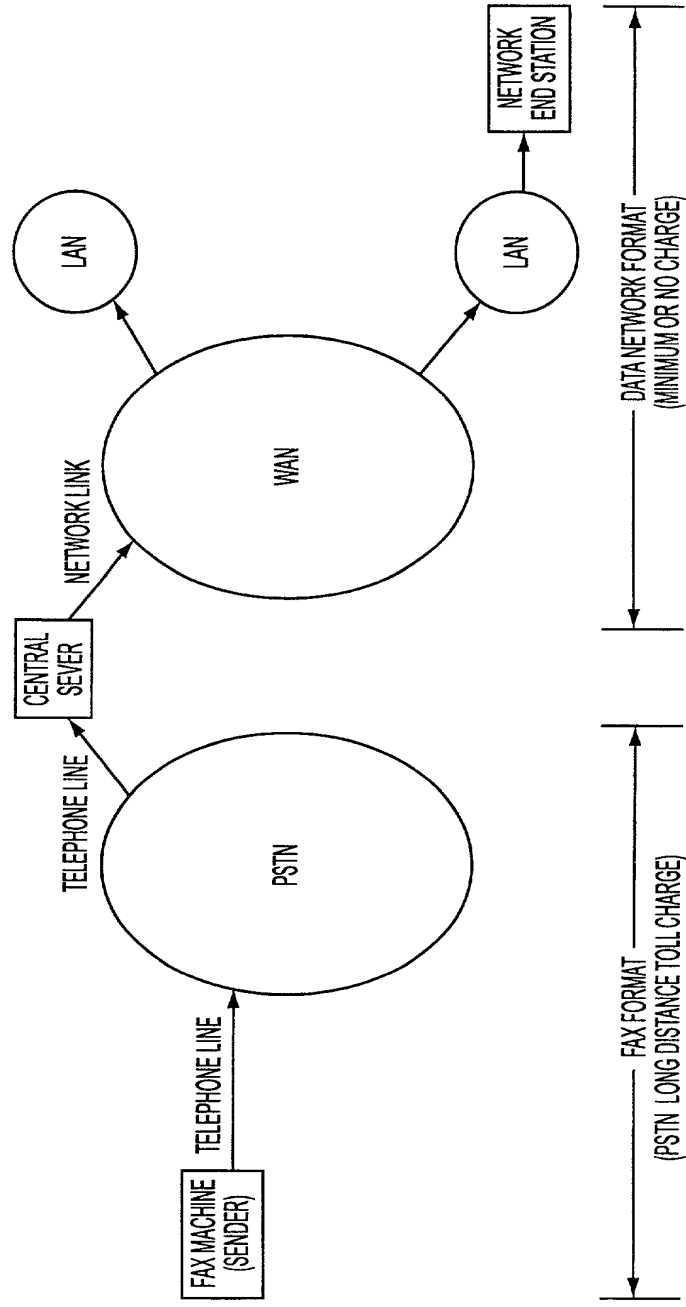


FIG. 3

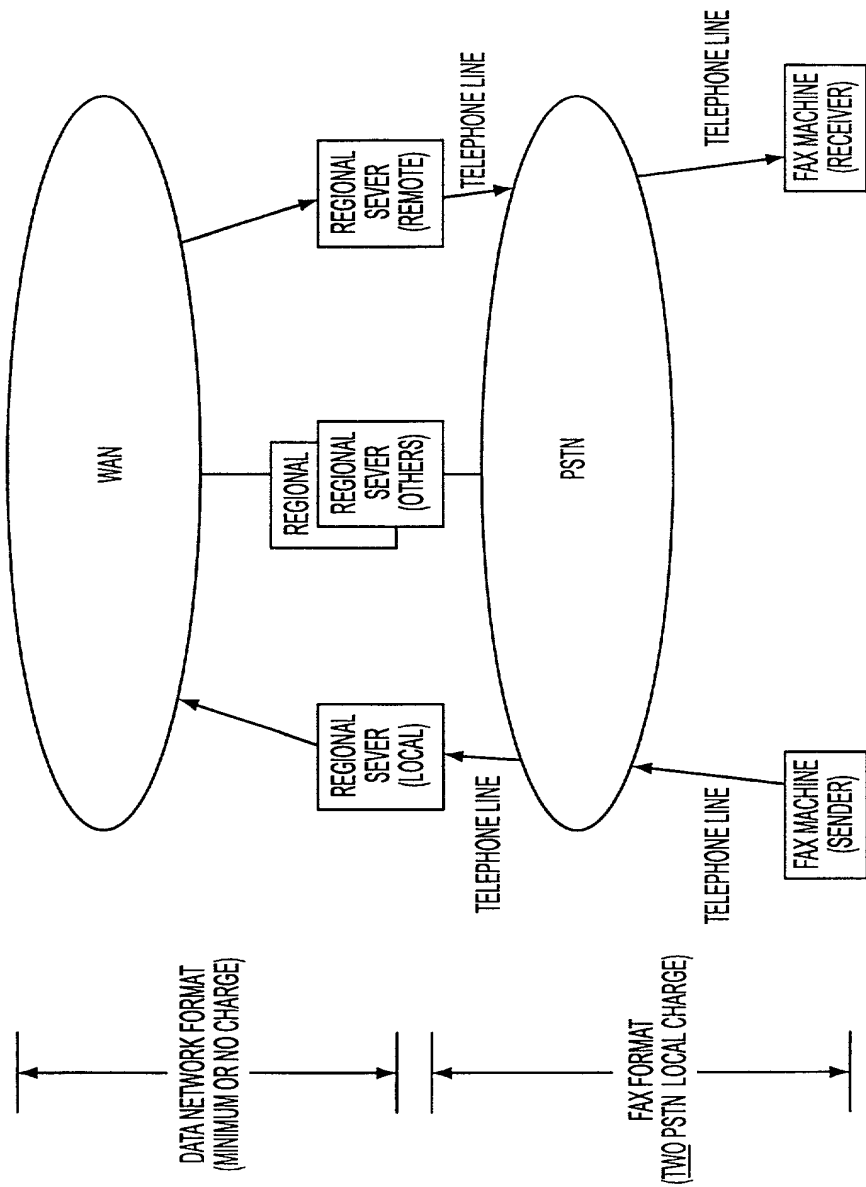


FIG. 4

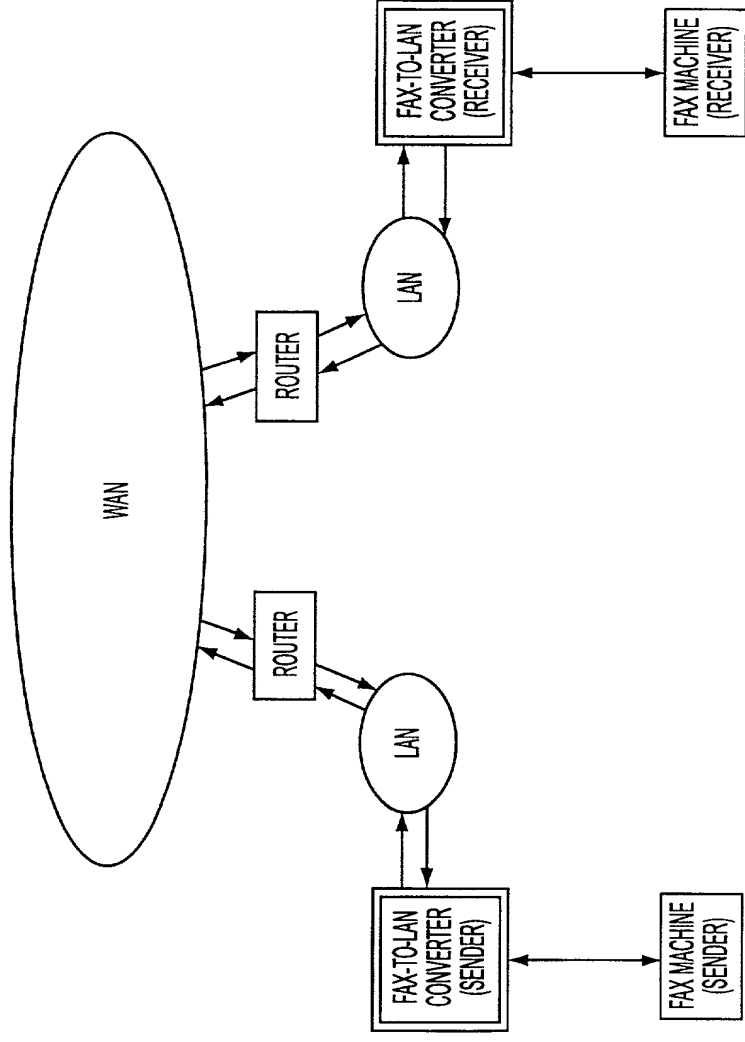


FIG. 5

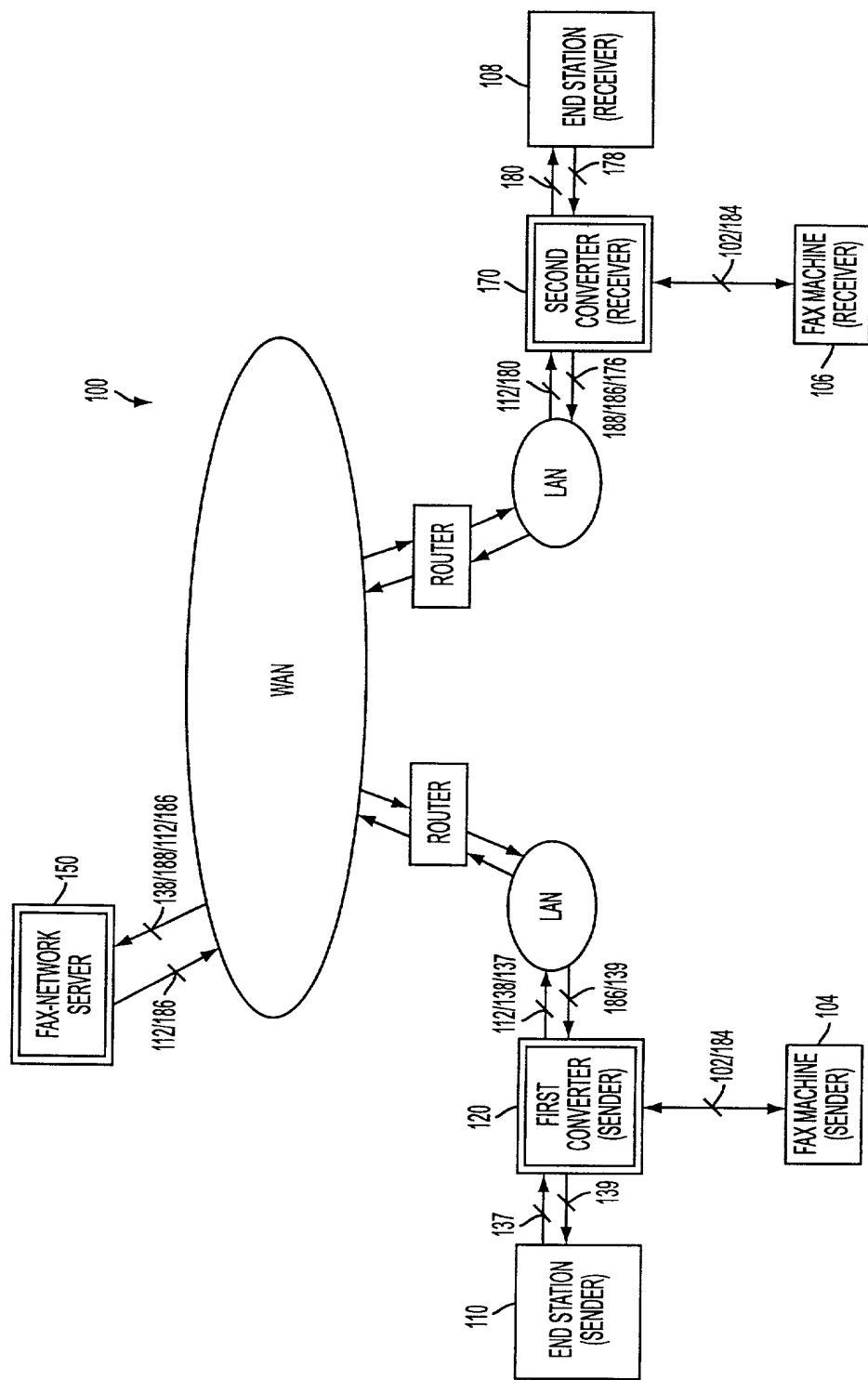


FIG. 6

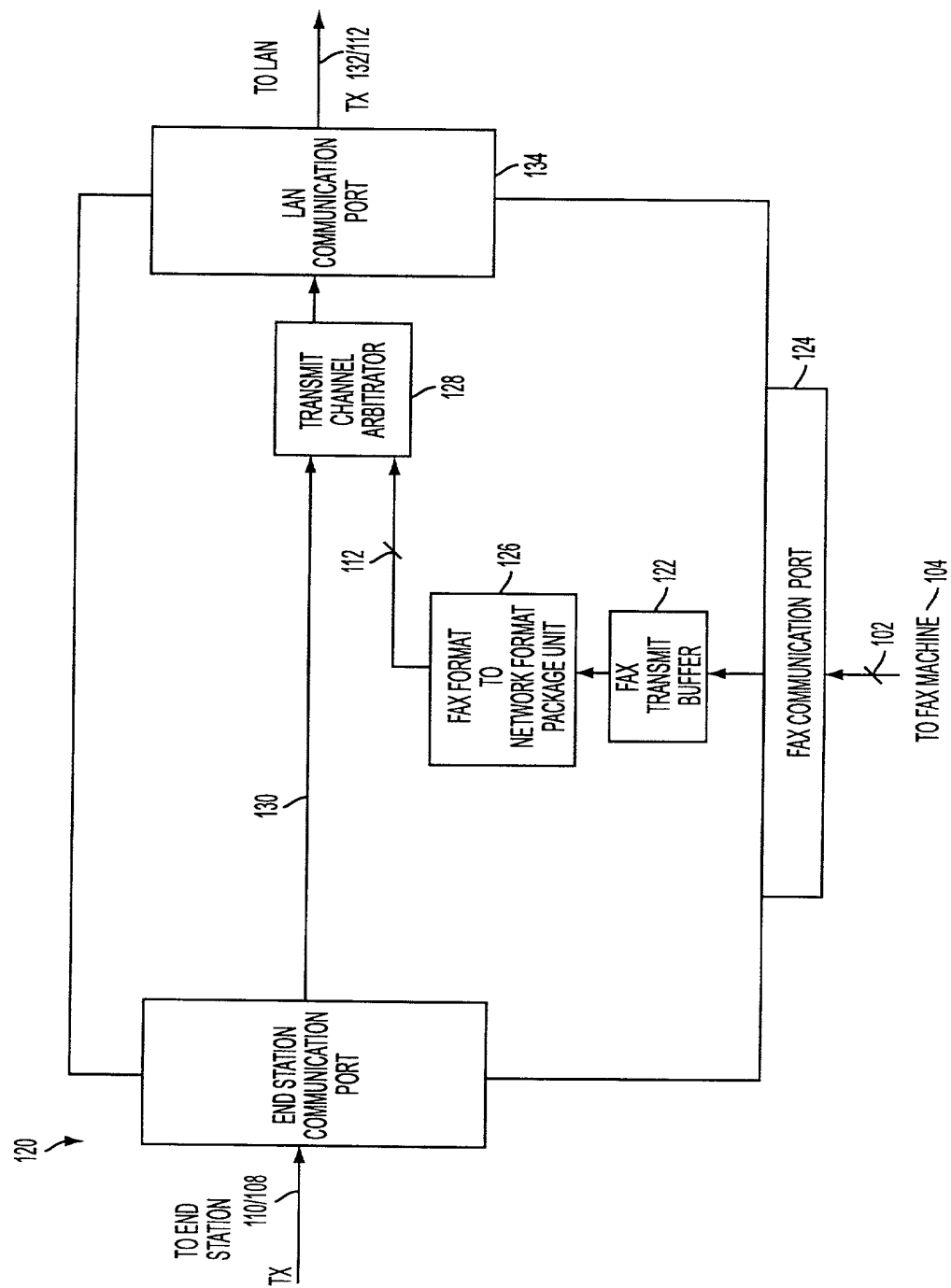


FIG. 7

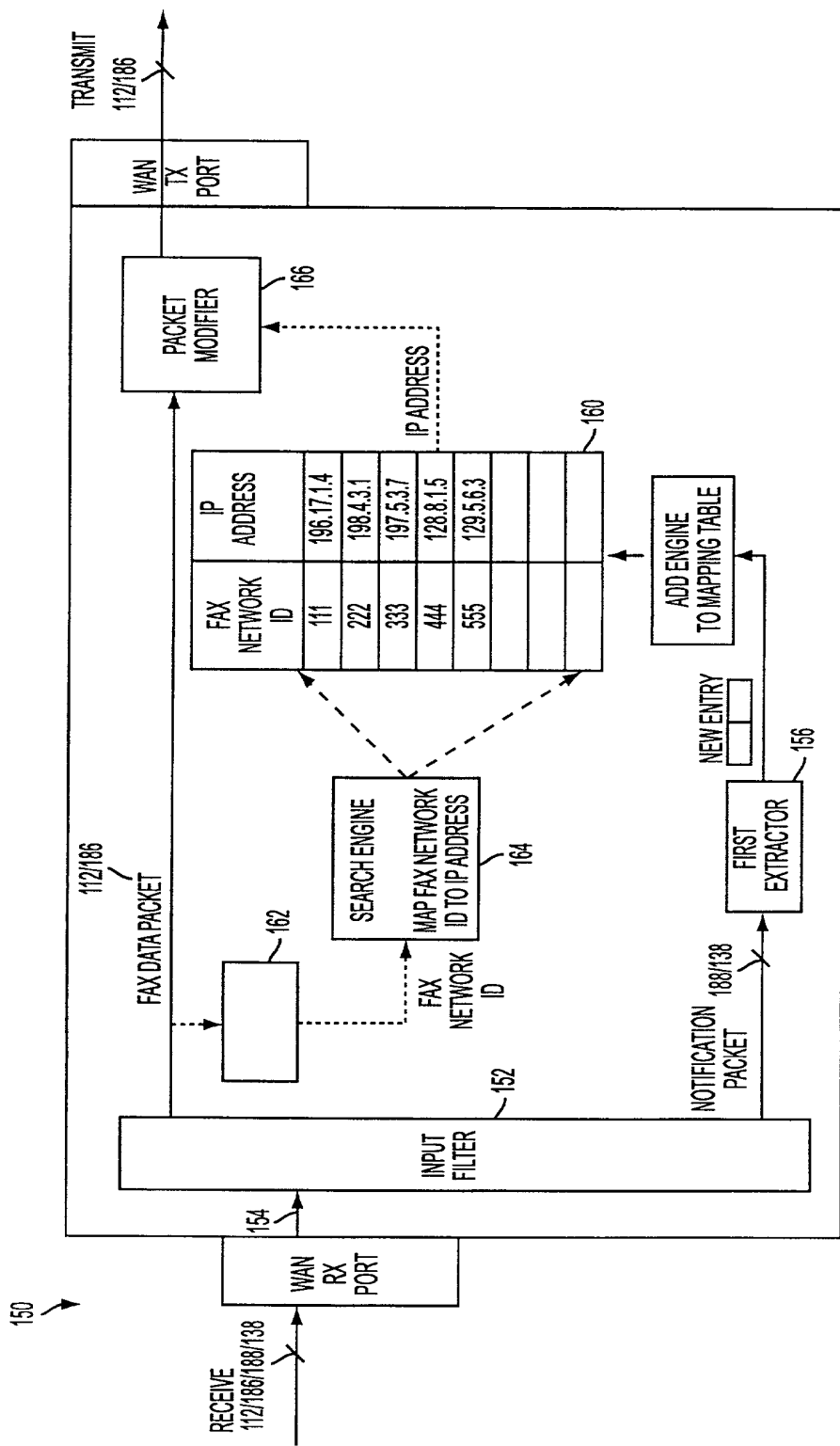


FIG. 8



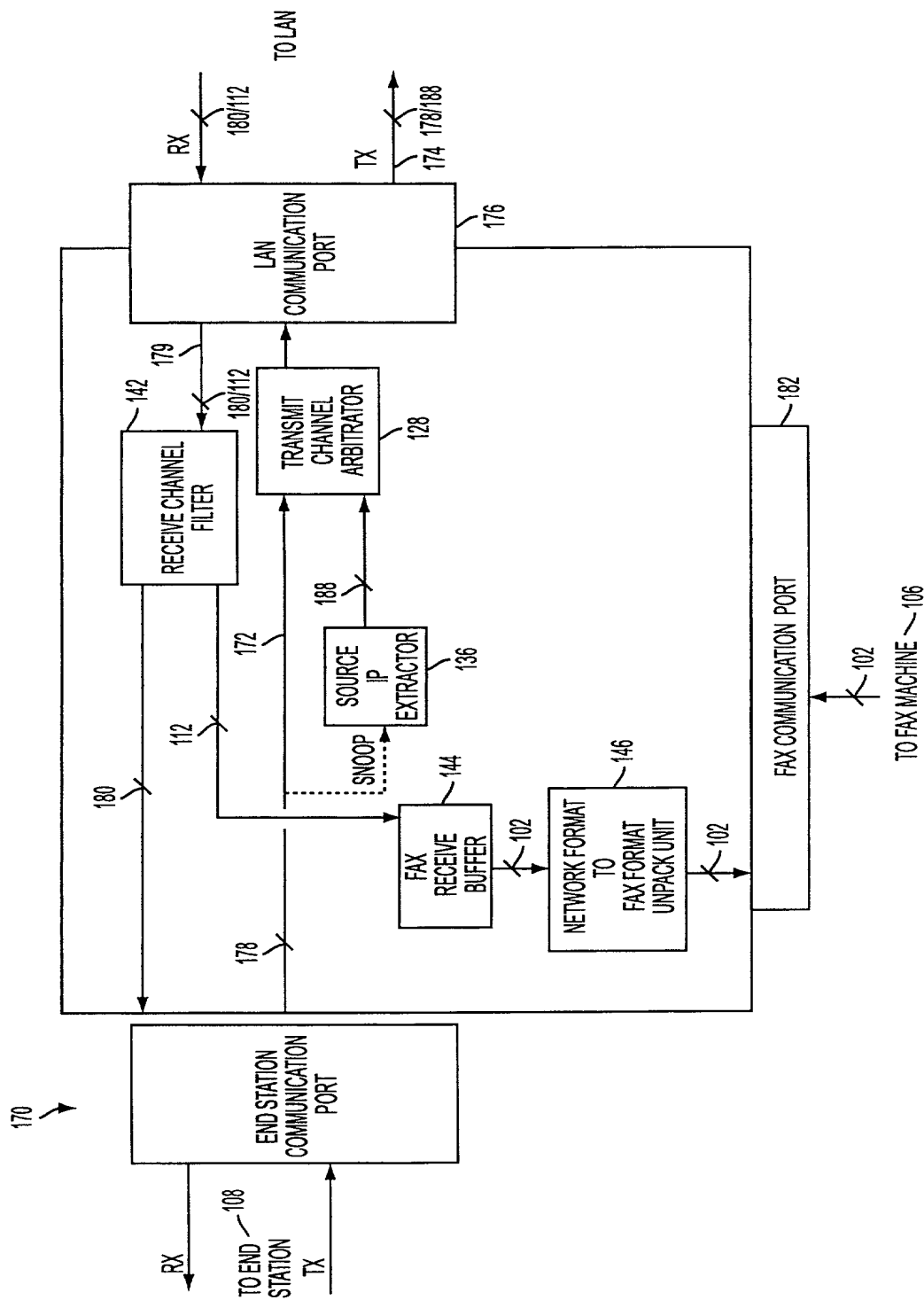


FIG. 9

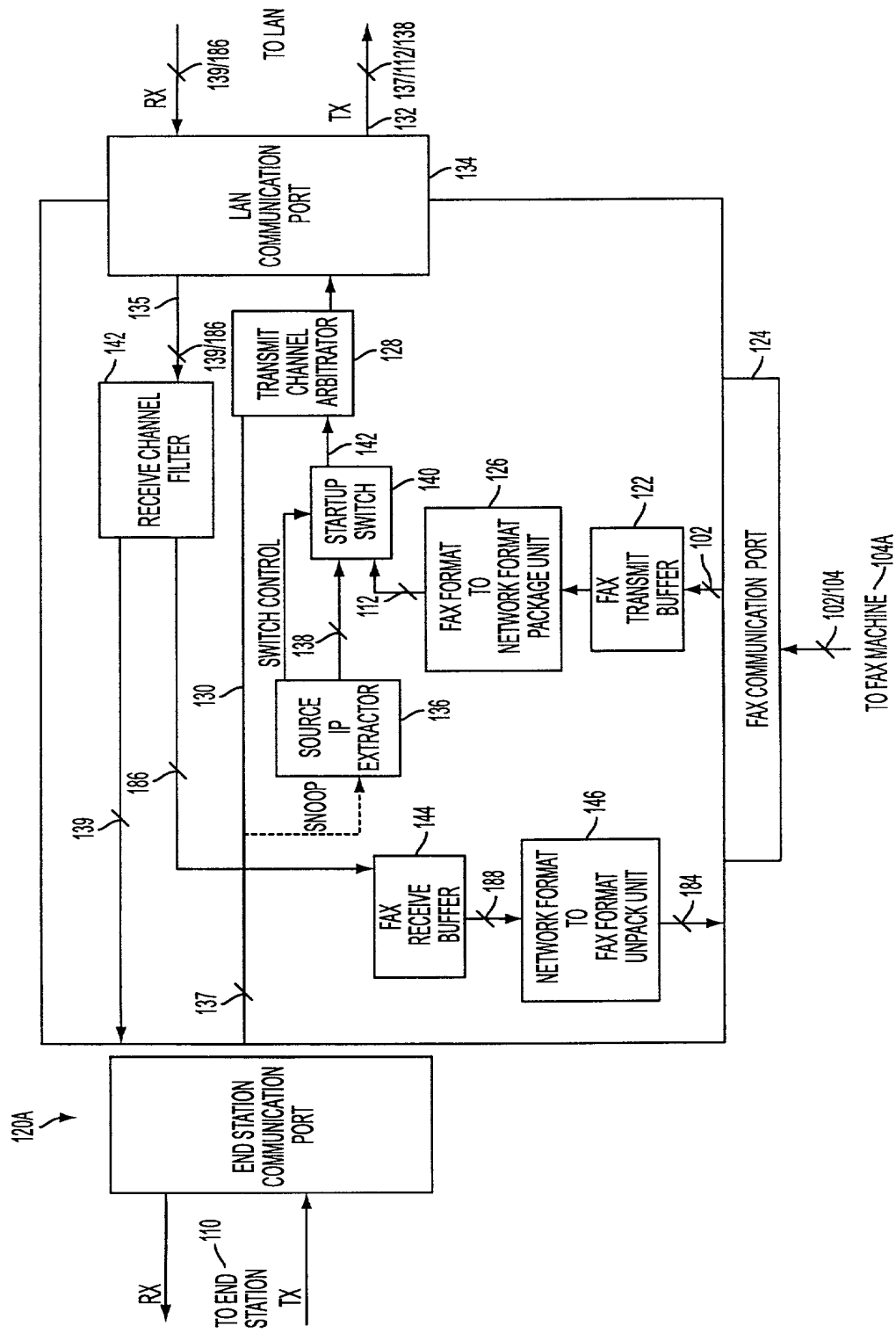


FIG. 10

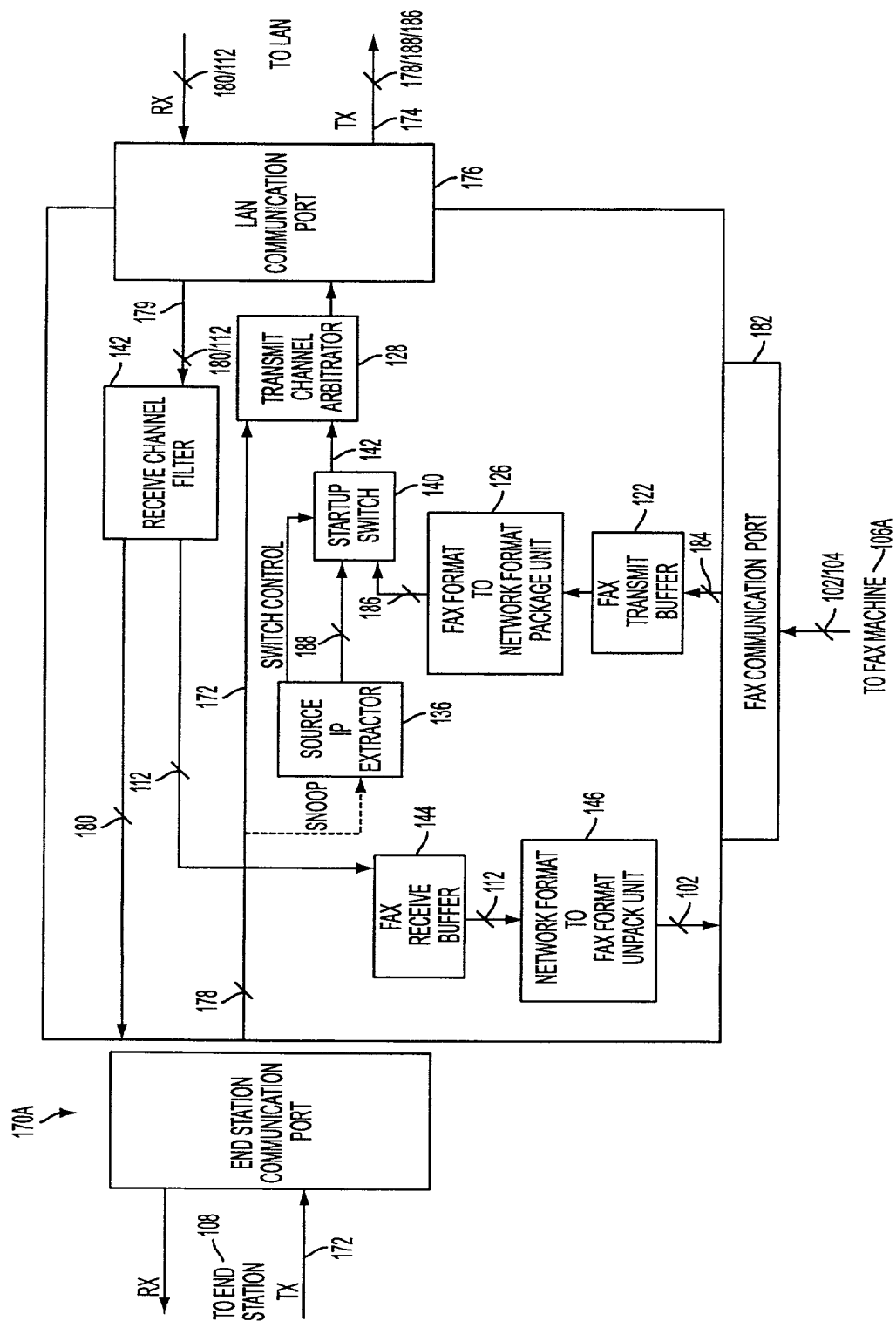
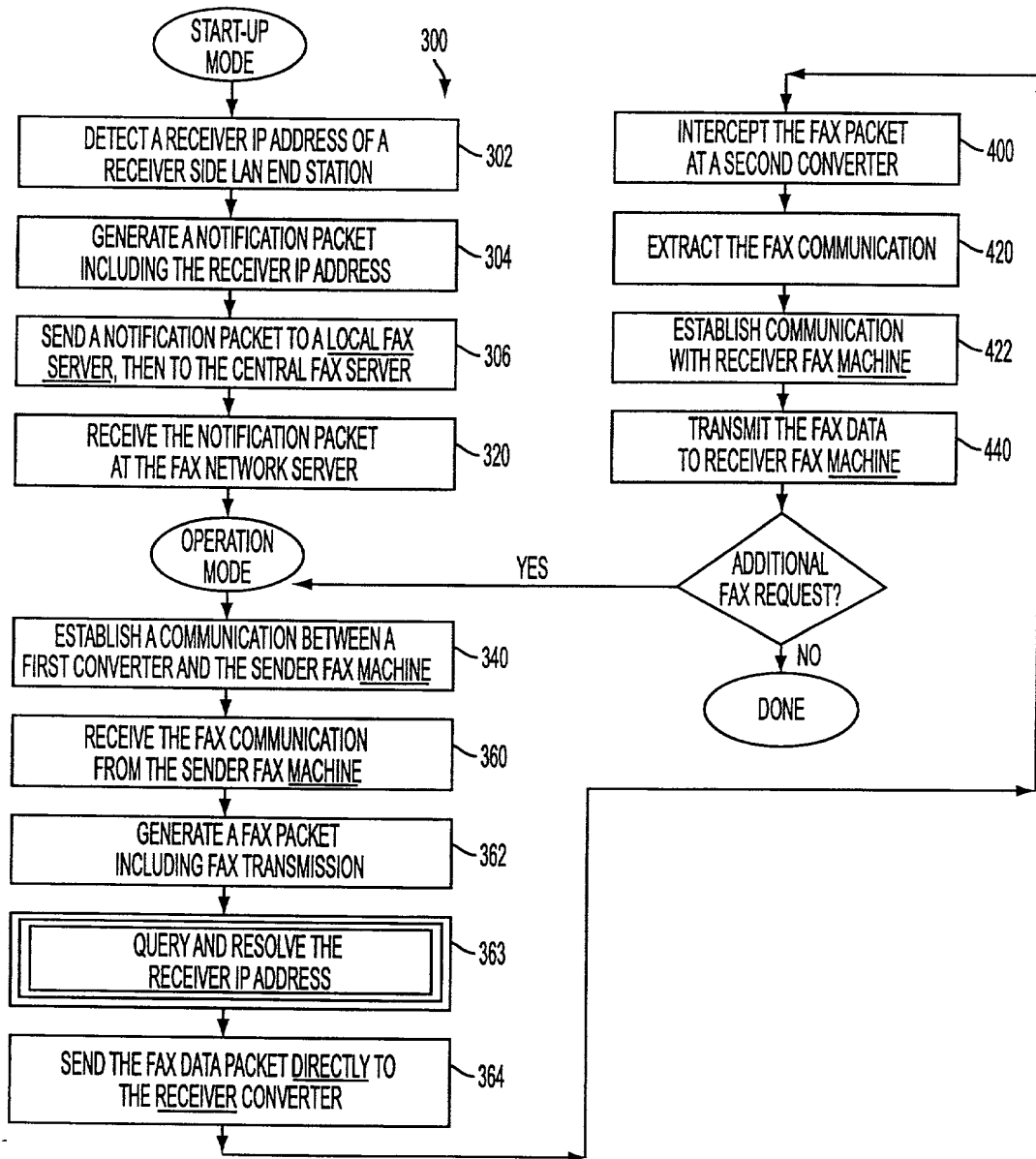


FIG. 11

```
graph TD
    subgraph 300 [300]
        S1([START-UP MODE]) --> S2[DETECT A RECEIVER IP ADDRESS OF A RECEIVER SIDE LAN END STATION 302]
        S2 --> S3[GENERATE A NOTIFICATION PACKET INCLUDING THE RECEIVER IP ADDRESS 304]
        S3 --> S4[SEND THE NOTIFICATION PACKET TO A FAX-NETWORK SERVER 306]
        S4 --> S5[RECEIVE THE NOTIFICATION PACKET TO A FAX-NETWORK SERVER 320]
        S5 --> S6([OPERATION MODE])
    end

    S6 --> S7[ESTABLISH A COMMUNICATION BETWEEN A FIRST CONVERTER AND THE SENDER FAX 340]
    S7 --> S8[RECEIVE THE FAX COMMUNICATION FROM THE SENDER FAX MACHINE 360]
    S8 --> S9[GENERATE A FAX PACKET INCLUDING FAX TRANSMISSION 362]
    S9 --> S10[SEND THE FAX PACKET TO THE FAX NETWORK SERVER 364]
    S10 --> S11[RECEIVE THE FAX PACKET AND TRANSMIT THE FAX PACKET TO A DESTINATION IP ADDRESS LOOKED-UP IN A MAPPING TABLE WITH THE FAX NETWORK ID 380]
    S11 --> S12[INTERCEPT THE FAX PACKET AT A SECOND CONVERTER 400]
    S12 --> S13[EXTRACT THE FAX COMMUNICATION 420]
    S13 --> S14[ESTABLISH COMMUNICATION WITH THE RECEIVER FAX 422]
    S14 --> S15[TRANSMIT THE FAX TO THE RECEIVER FAX 440]
    S15 --> D1{ADDITIONAL FAX REQUESTS?}
    D1 -- YES --> S6
    D1 -- NO --> S16([DONE])
```

FIG. 12A



**FIG.12B**

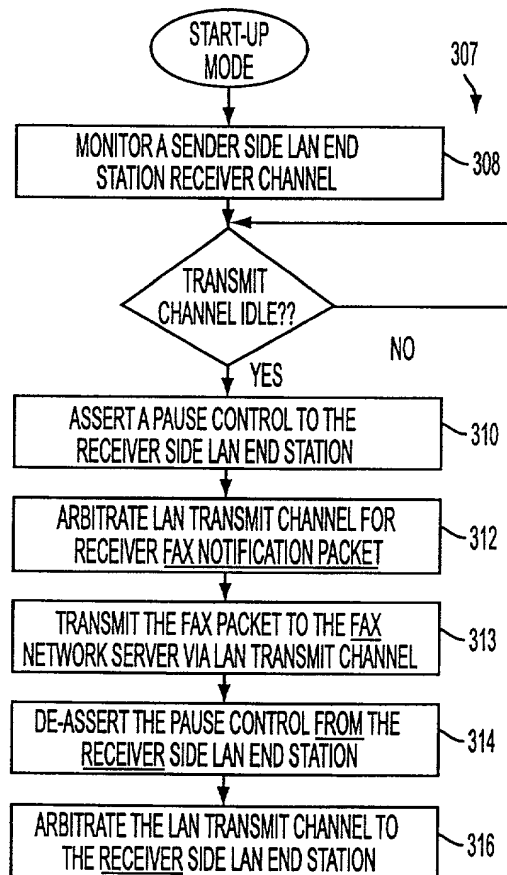


FIG.13

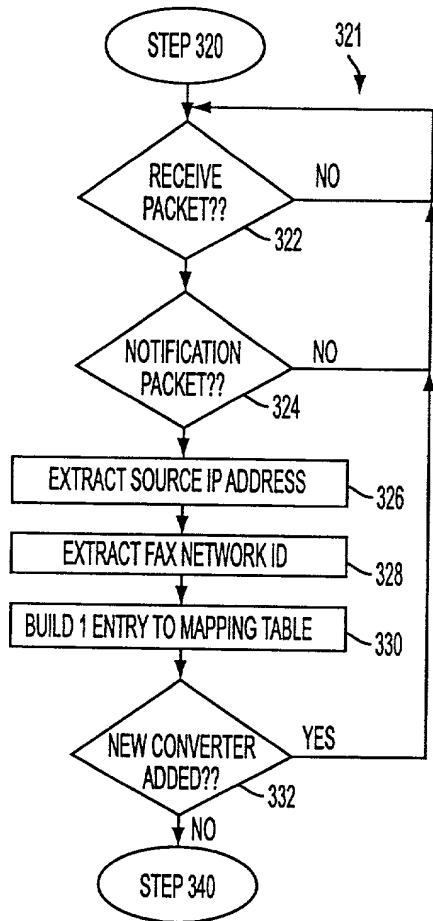


FIG.14A

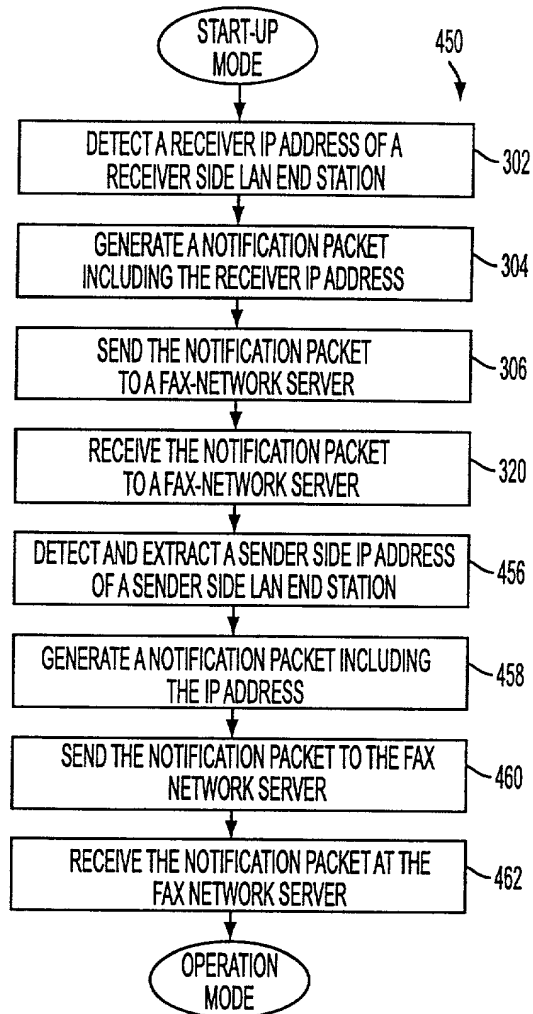


FIG.15

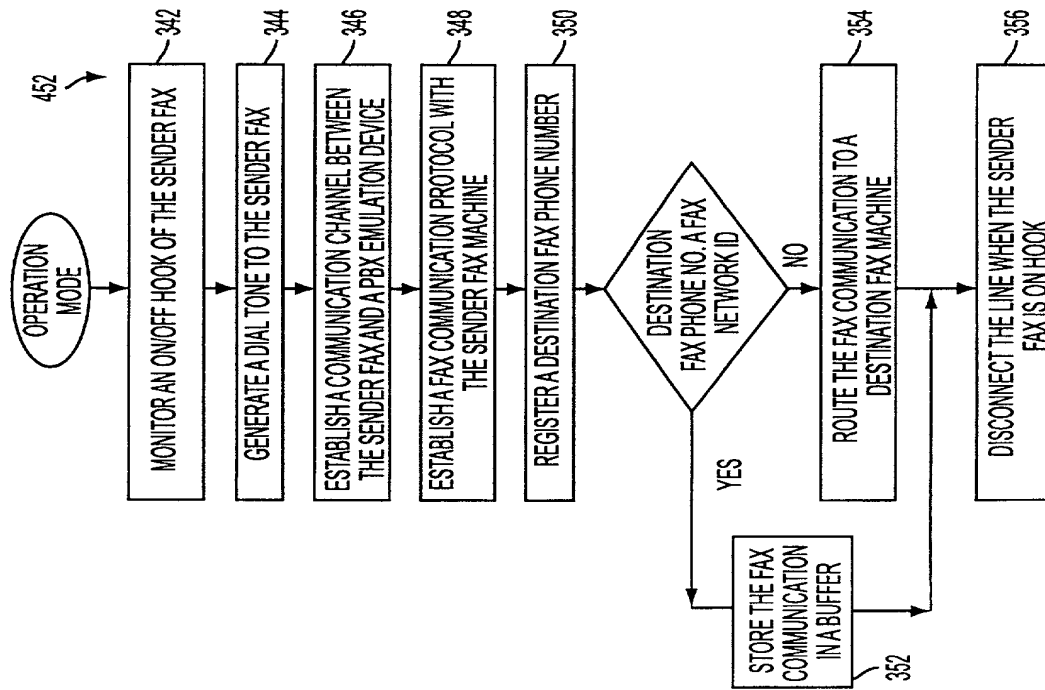


FIG.16

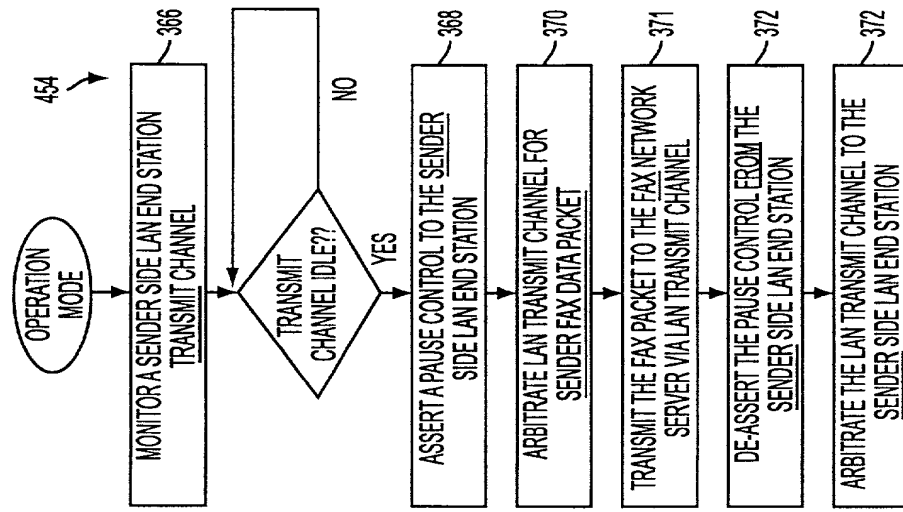


FIG.17A



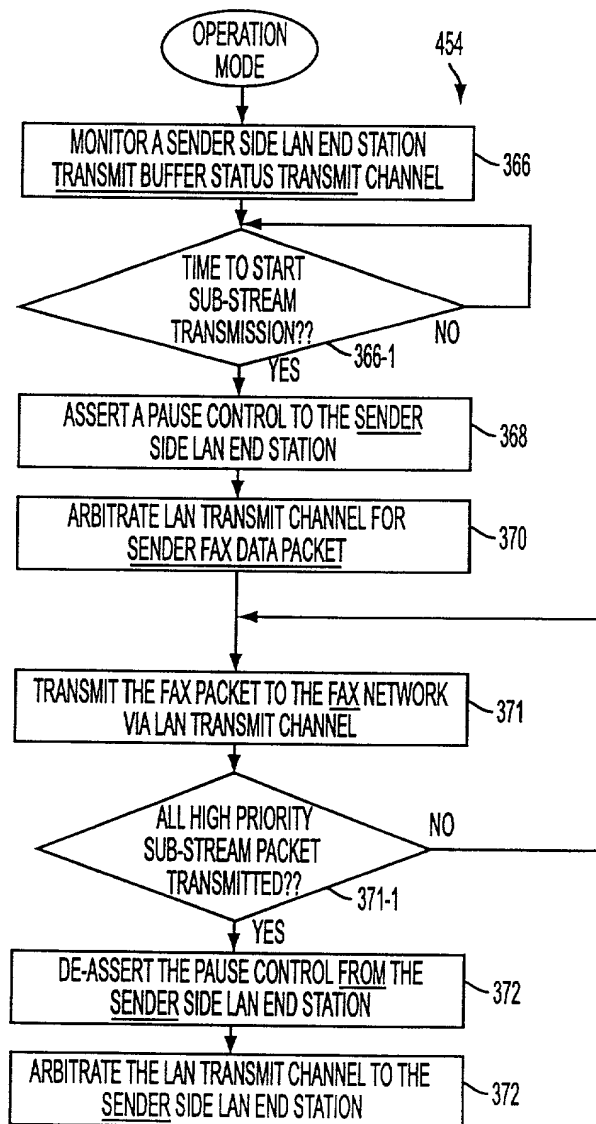


FIG.17B

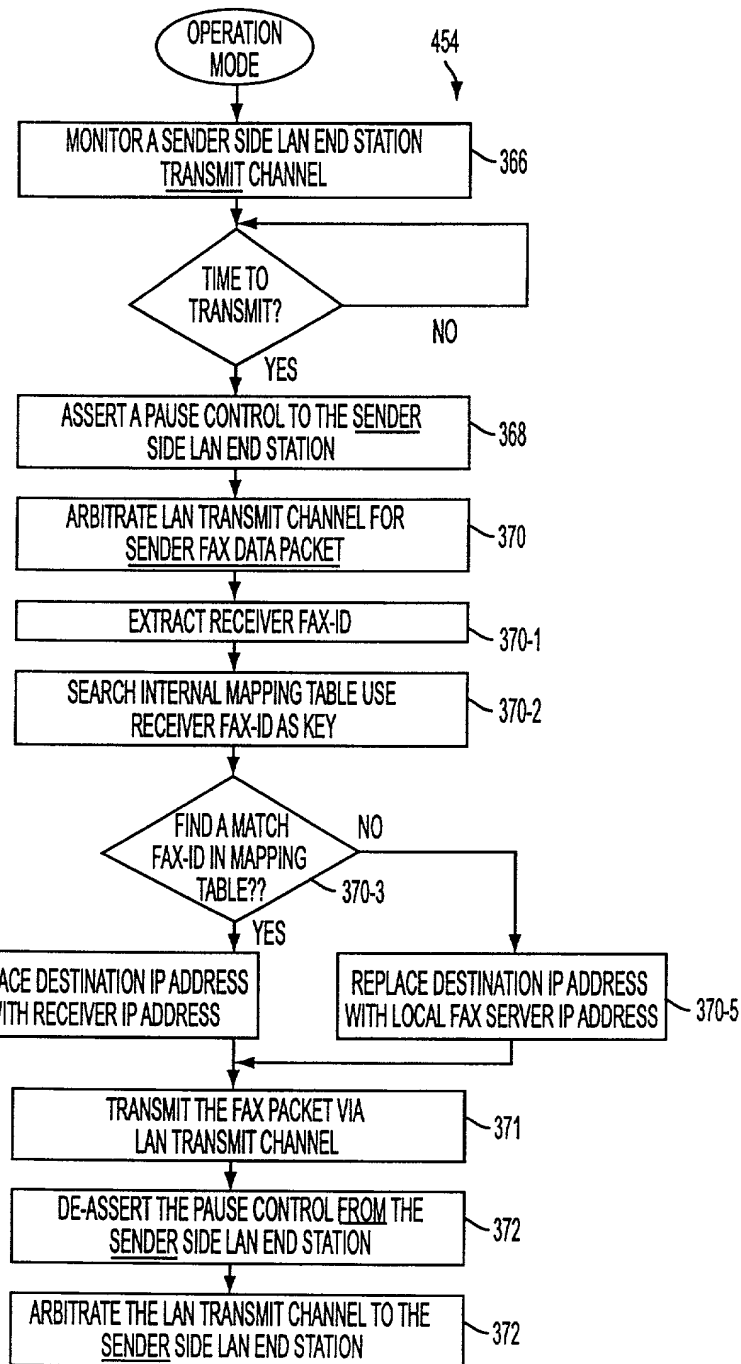


FIG.17C

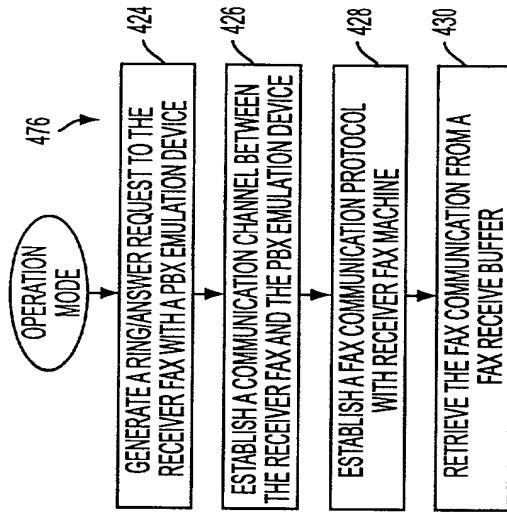


FIG. 20

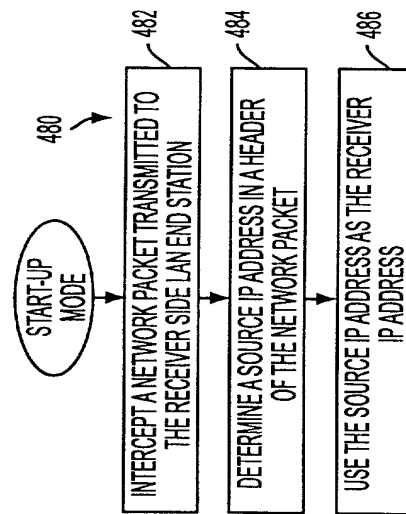


FIG. 21

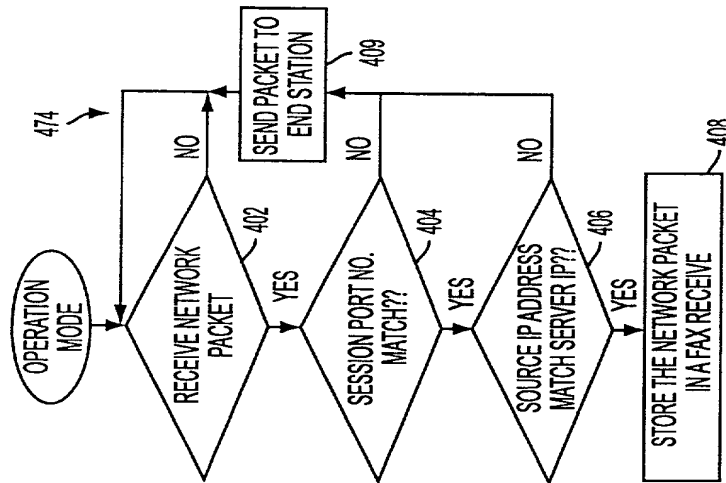


FIG. 19A

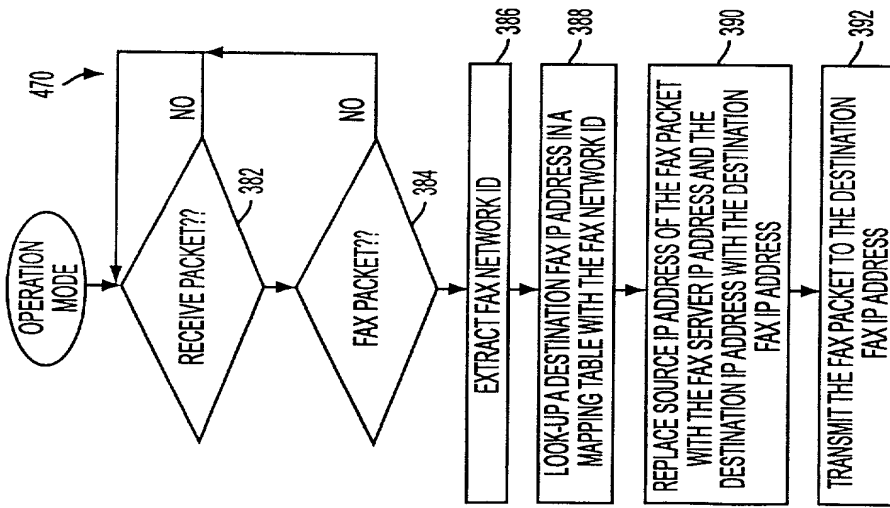


FIG. 18A

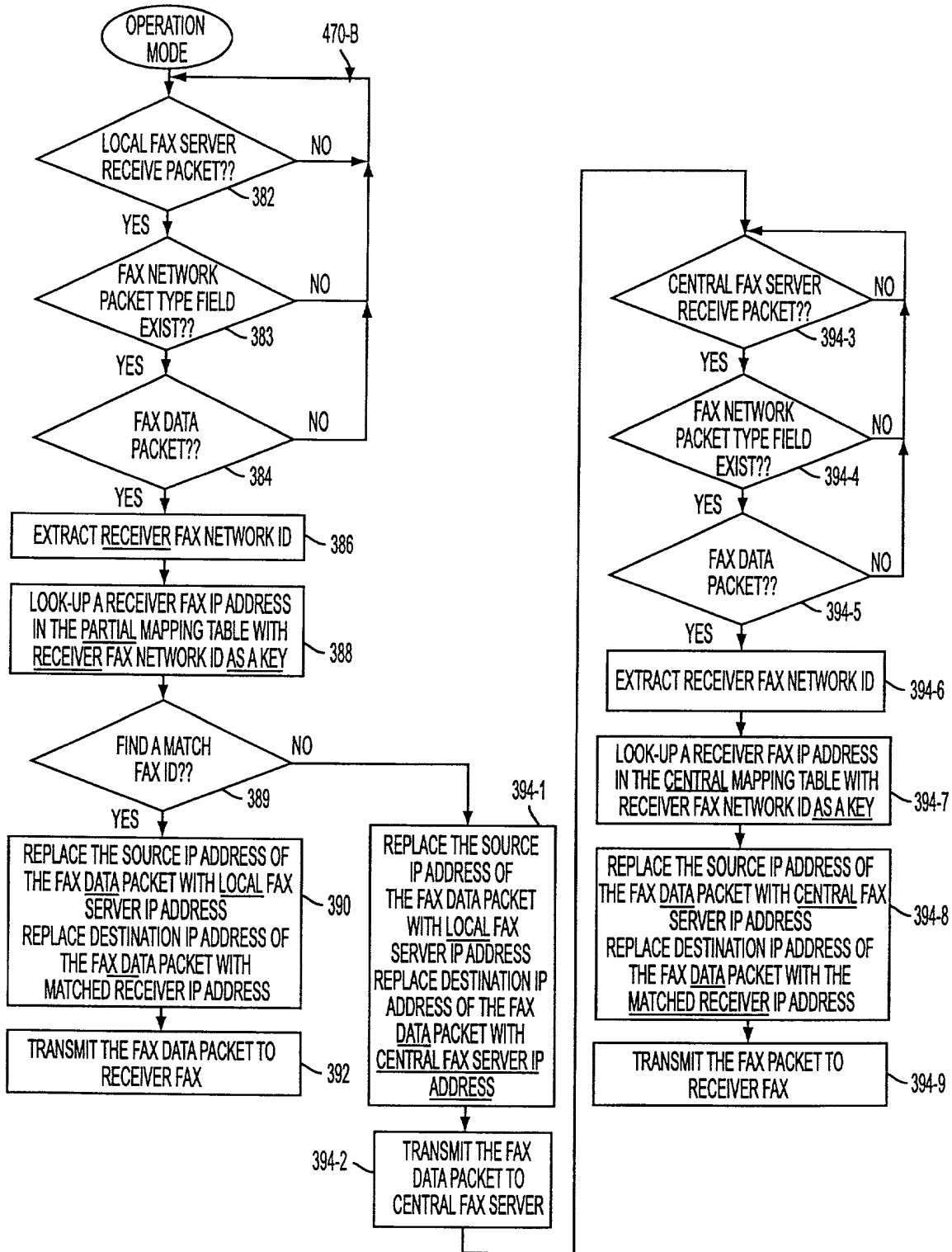


FIG.18B

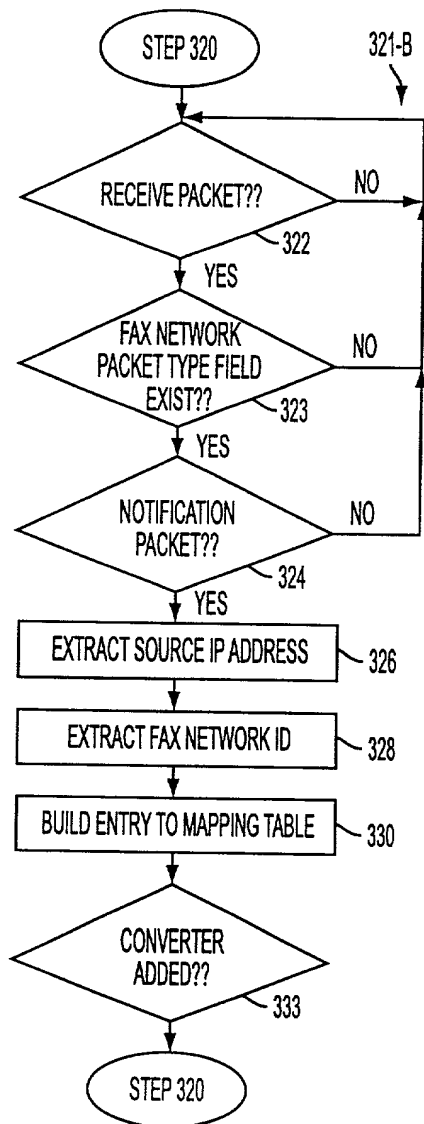


FIG.14B

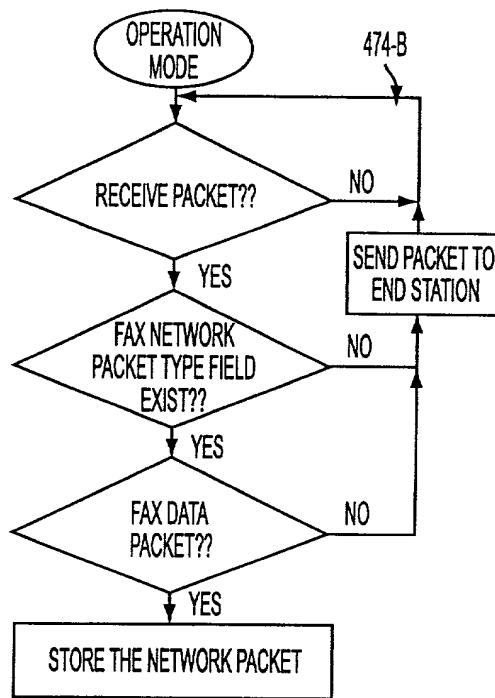


FIG.19B

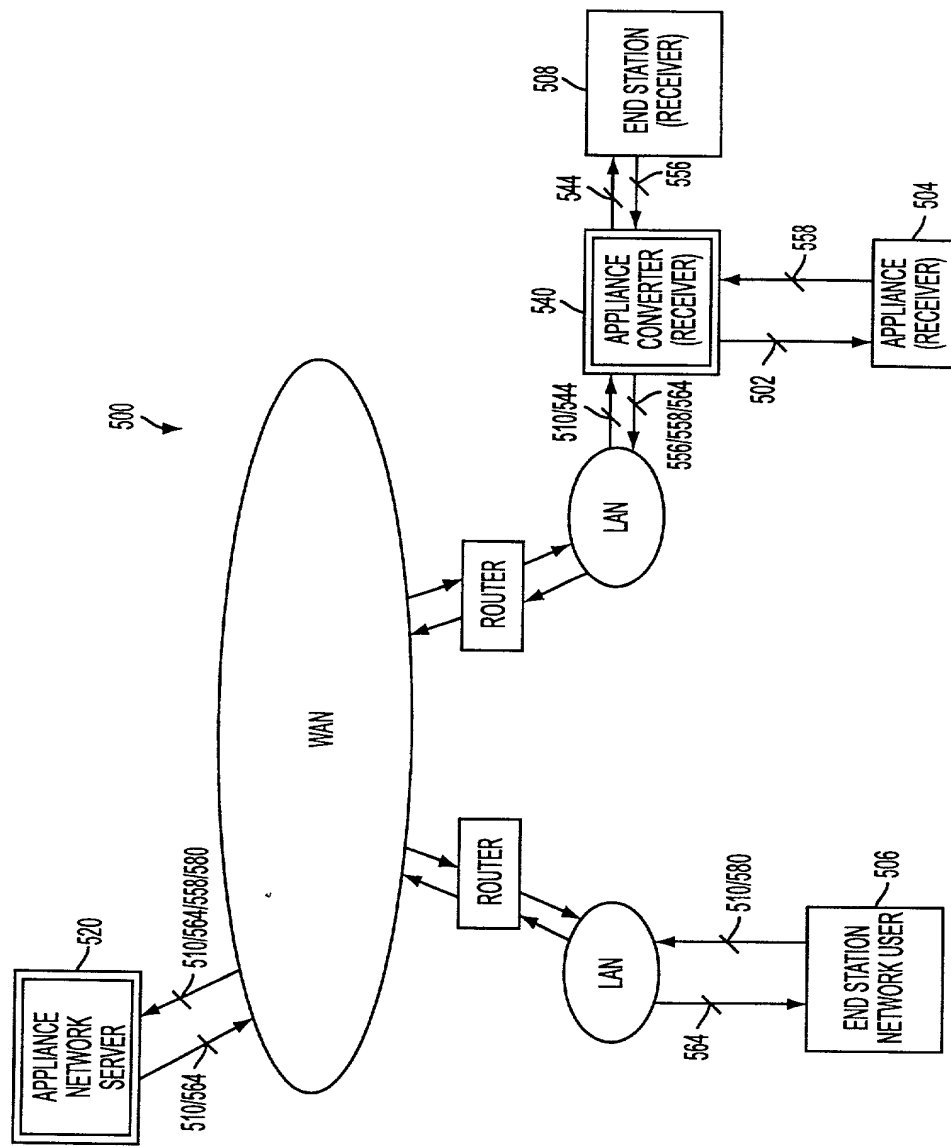


FIG. 22

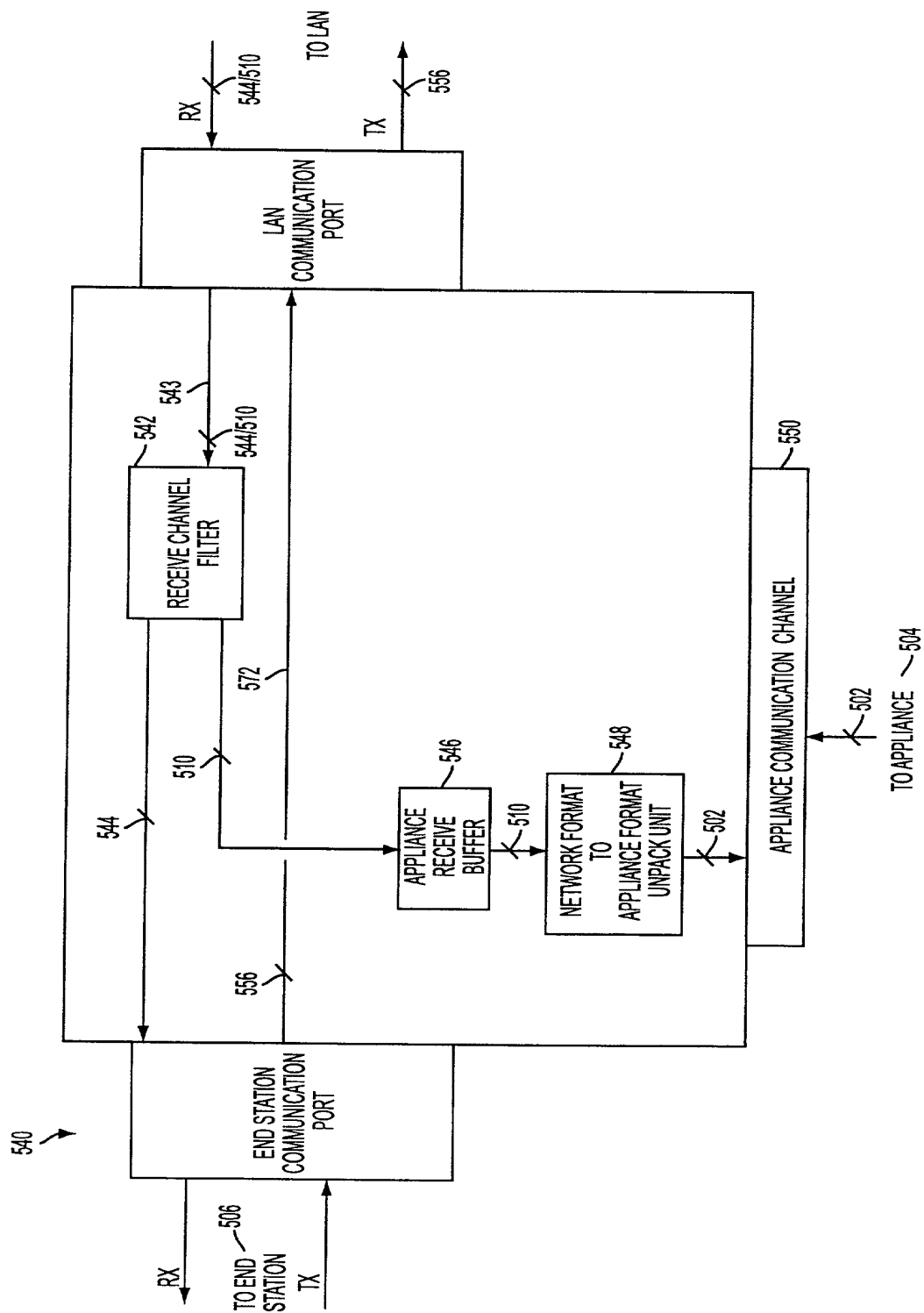


FIG. 23

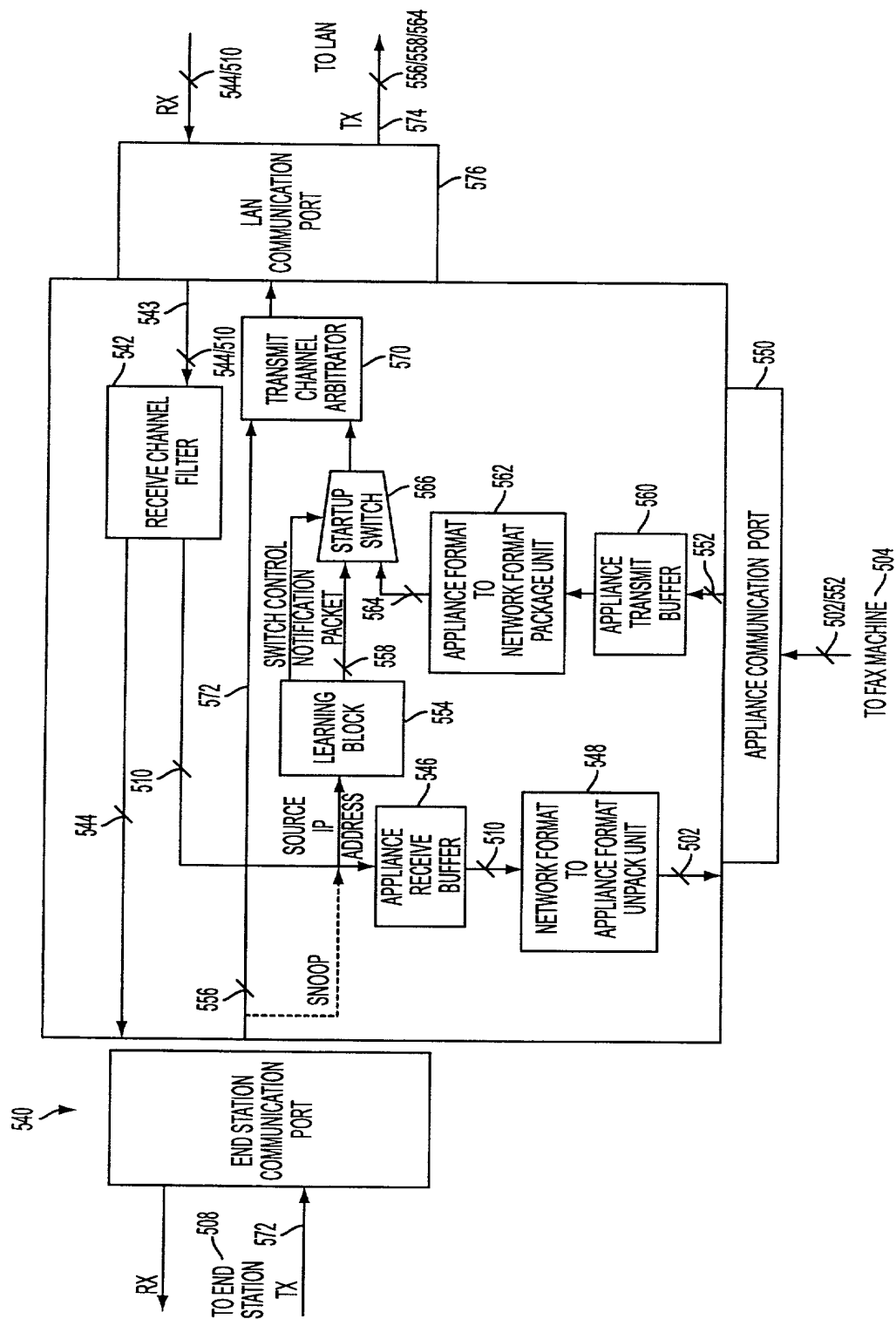
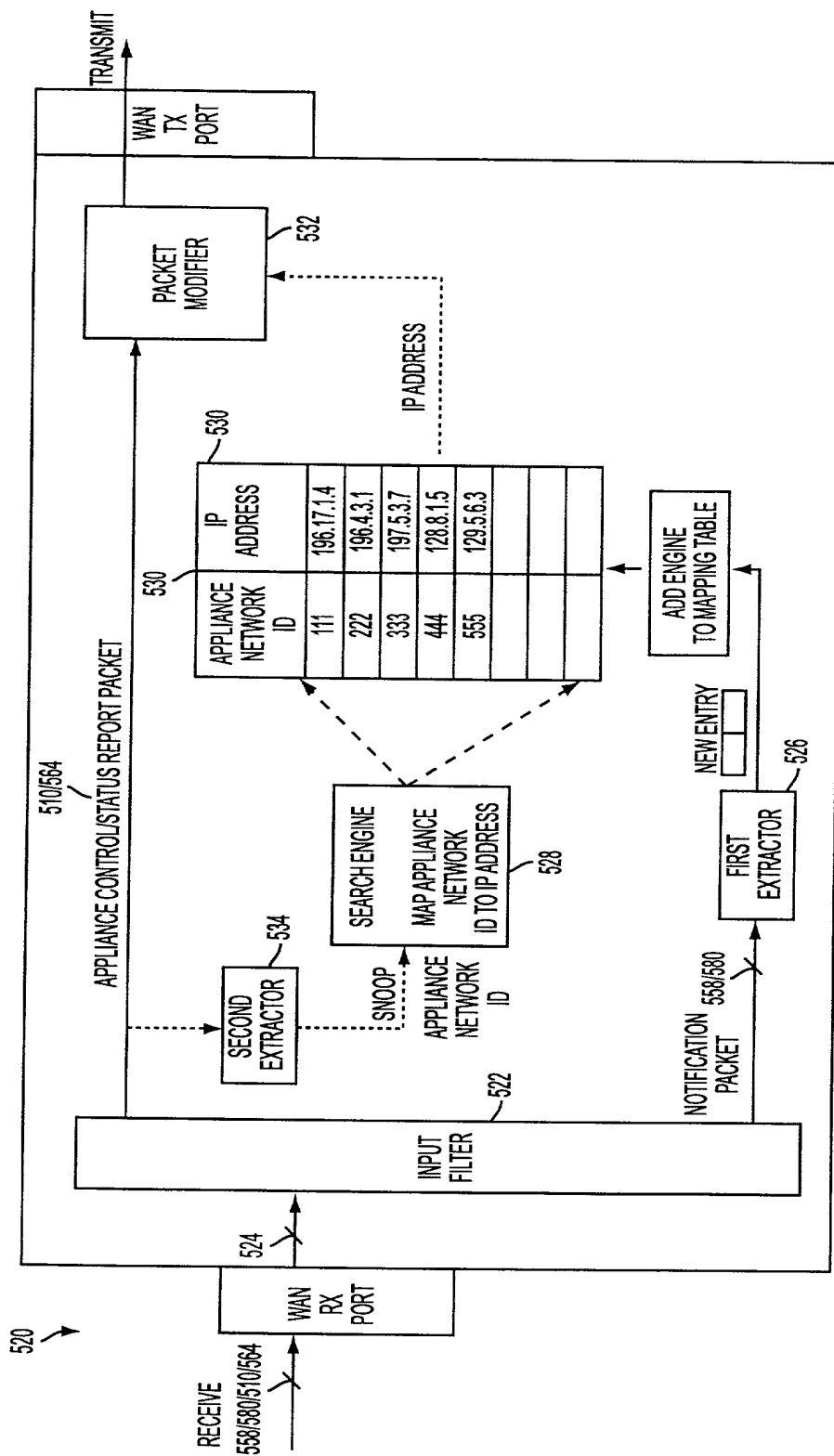


FIG. 24



[illegible]

**FIG. 25**

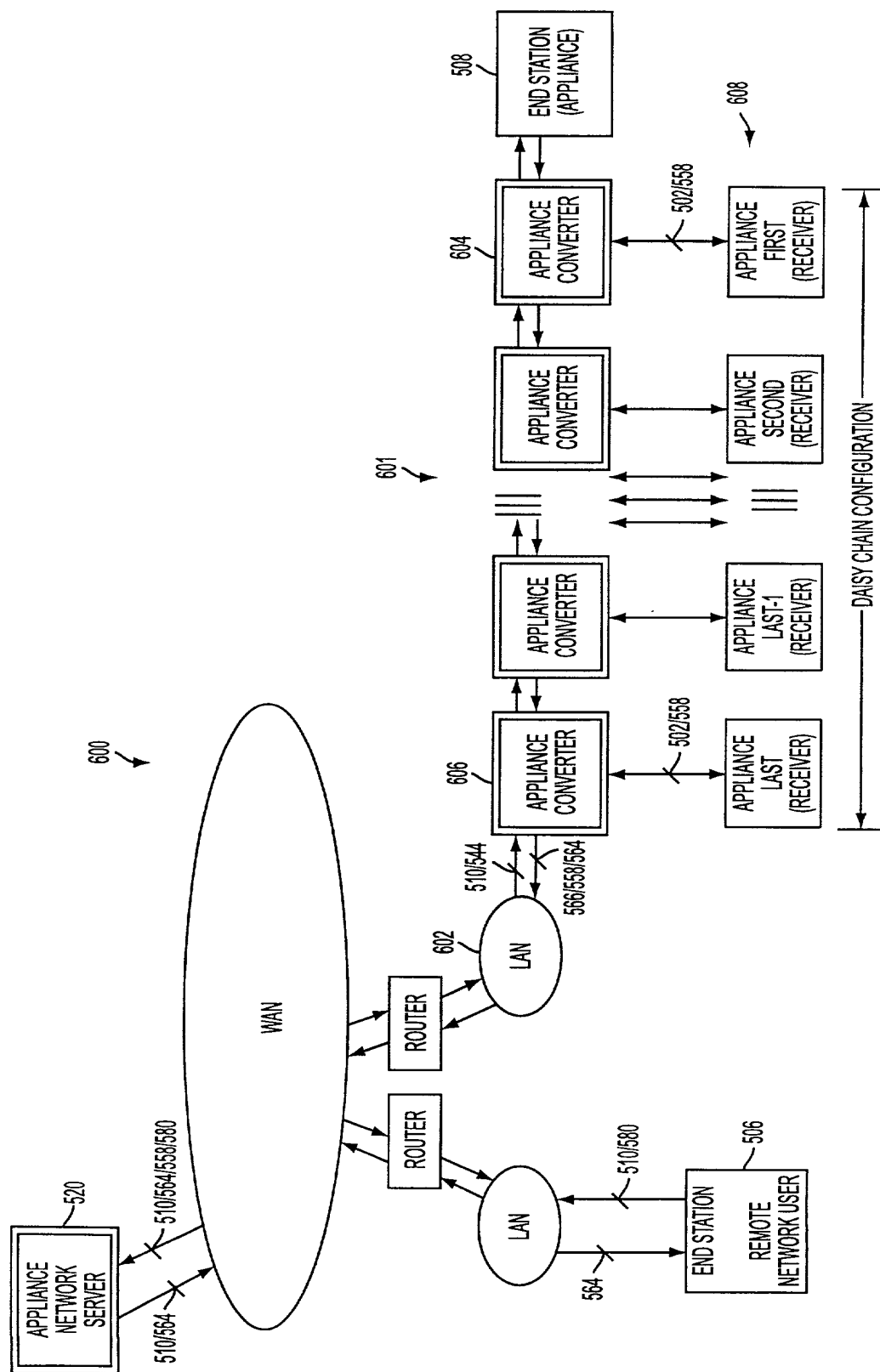


FIG. 26

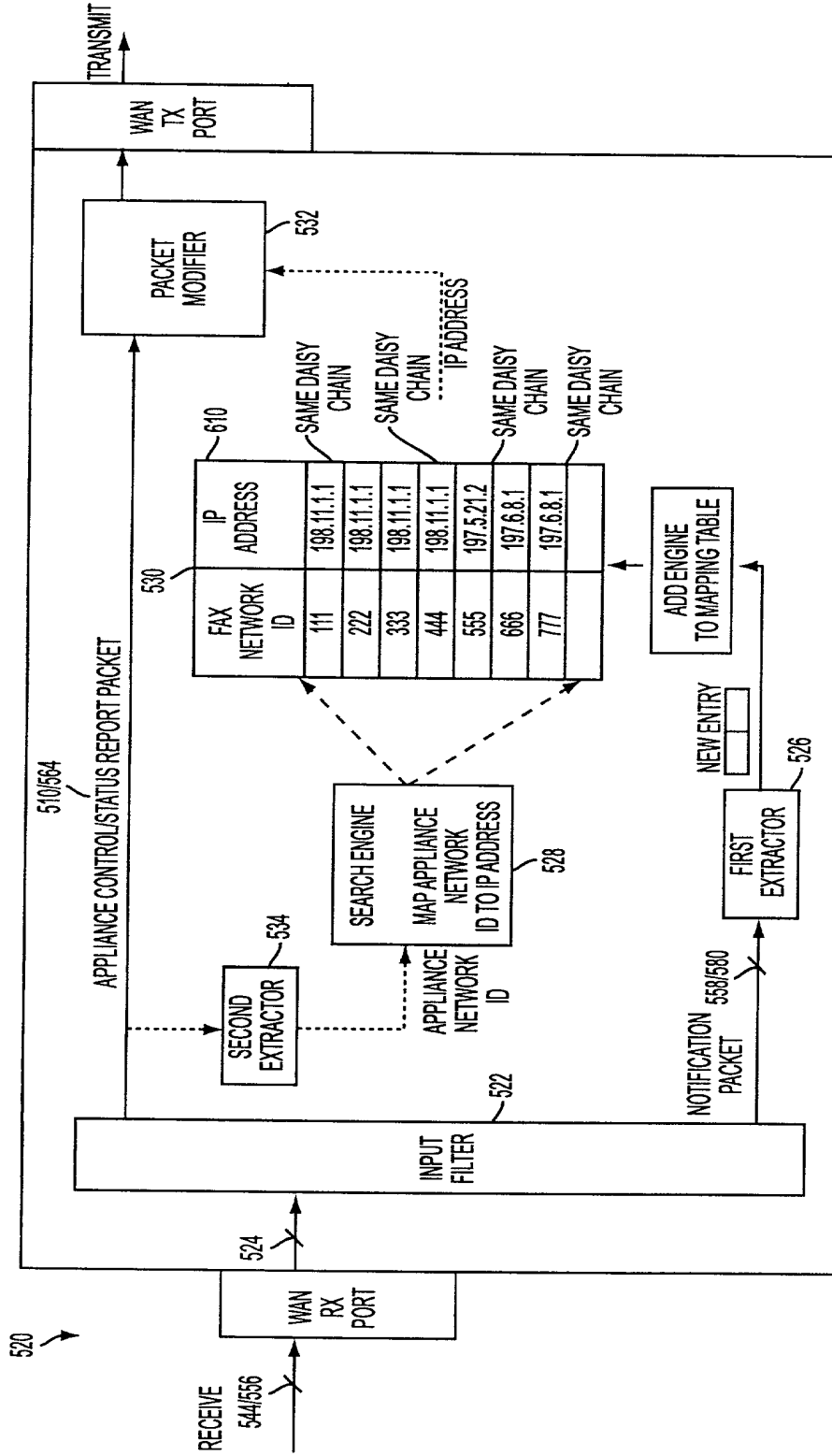


FIG. 27

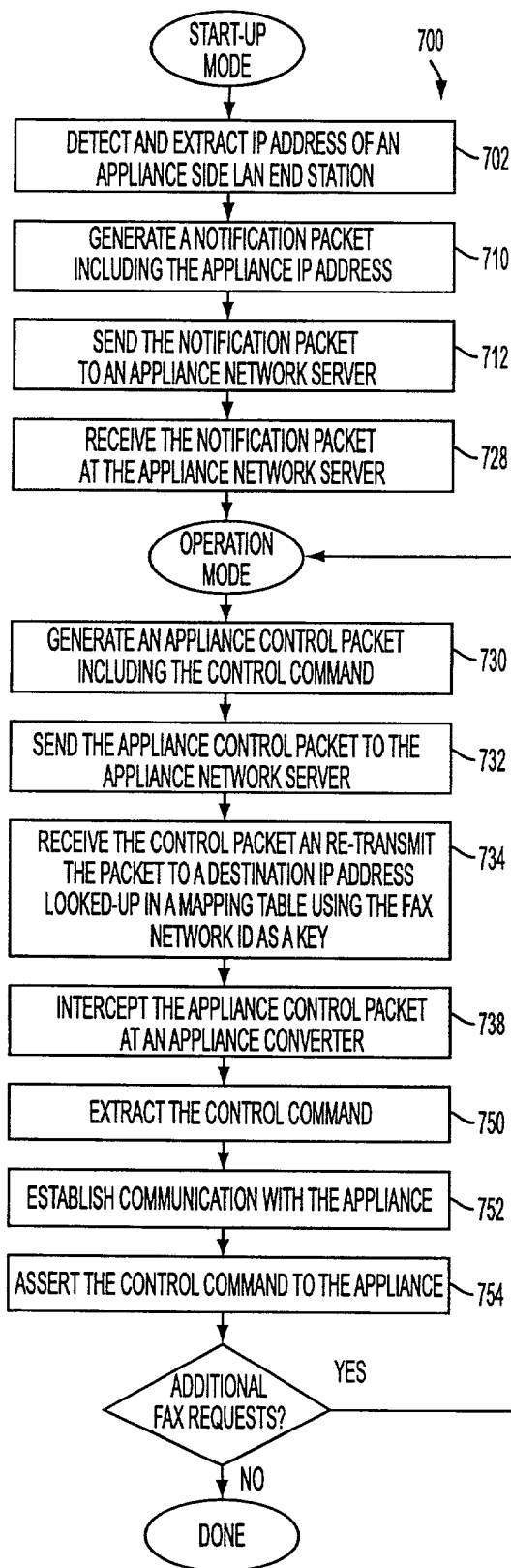


FIG. 28

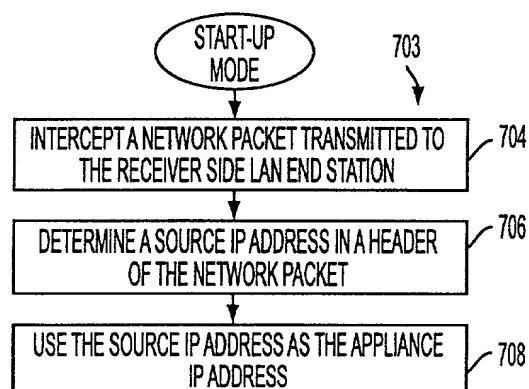


FIG. 29

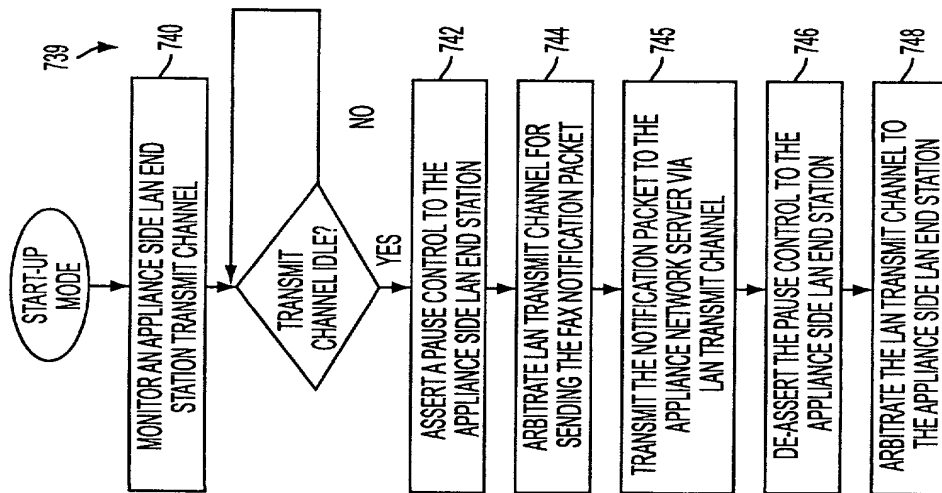


FIG. 30

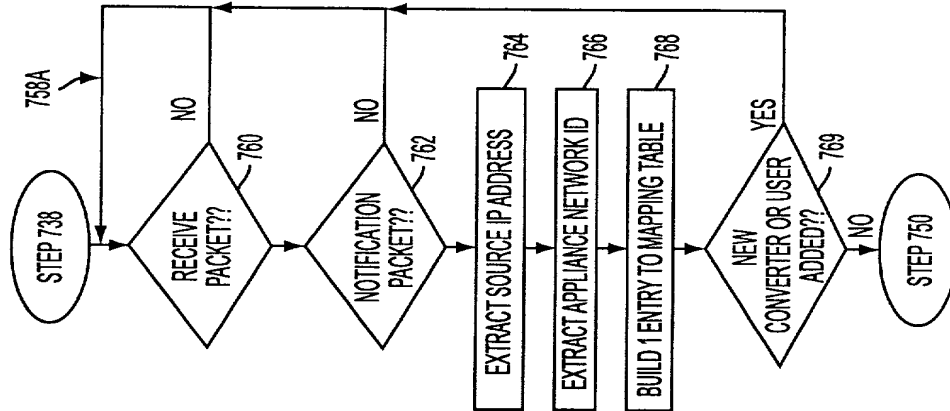


FIG. 31A

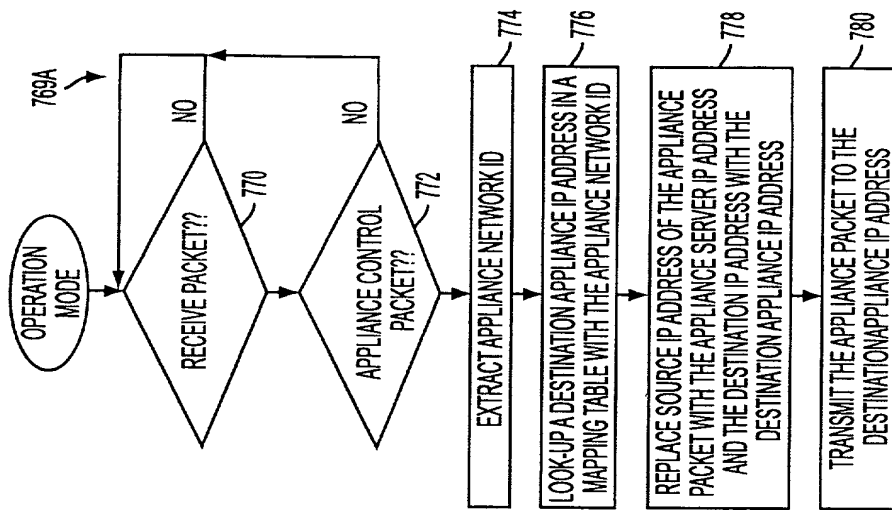


FIG. 32A

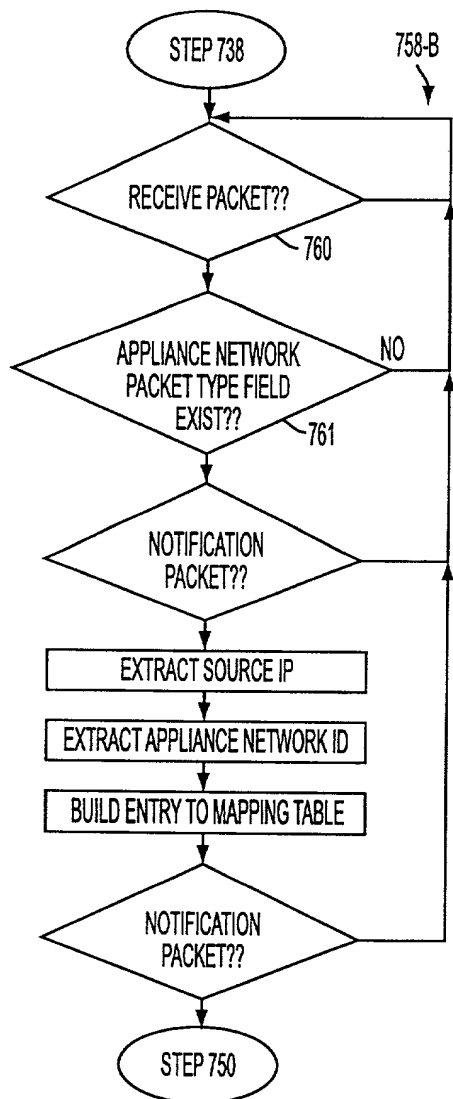


FIG. 31B

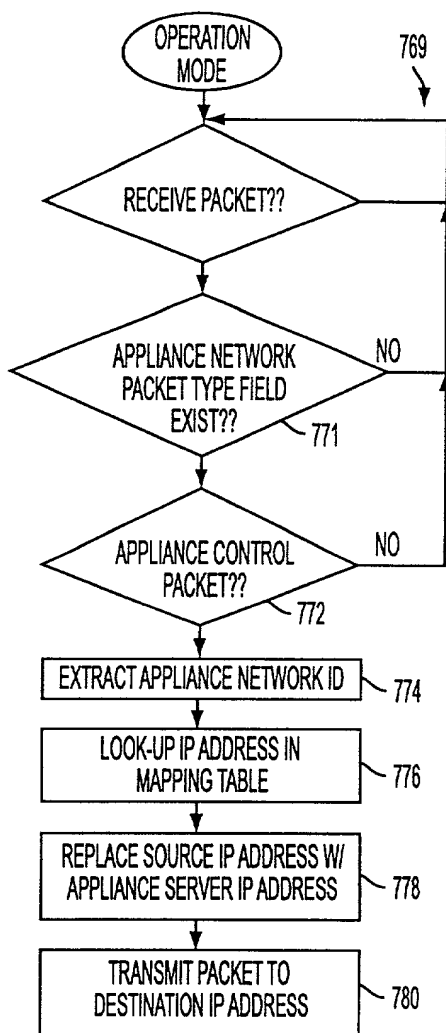


FIG. 32B

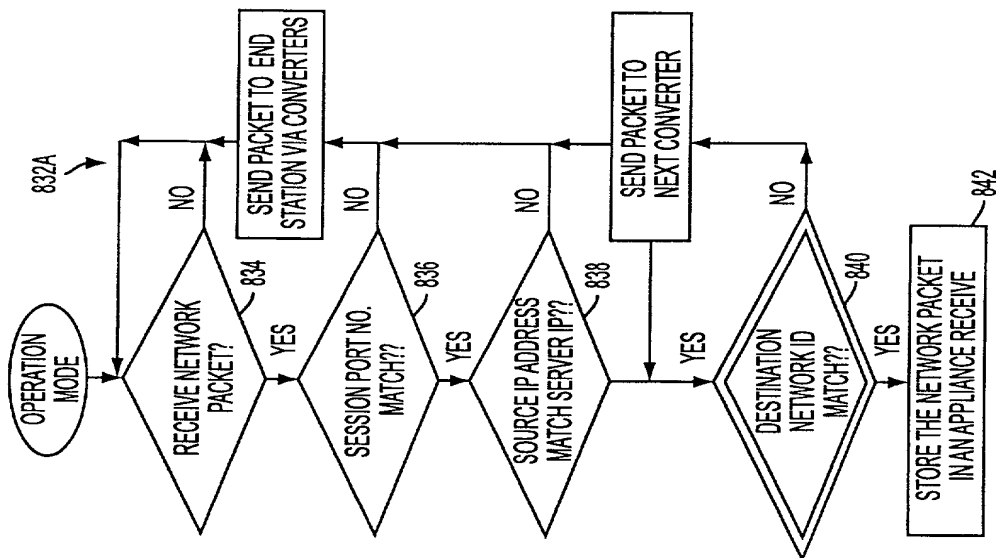


FIG. 34A

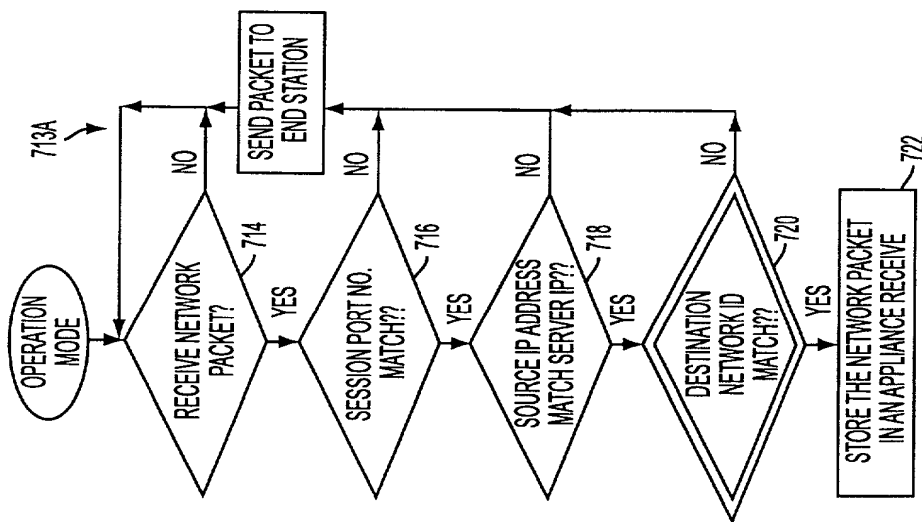


FIG. 33A

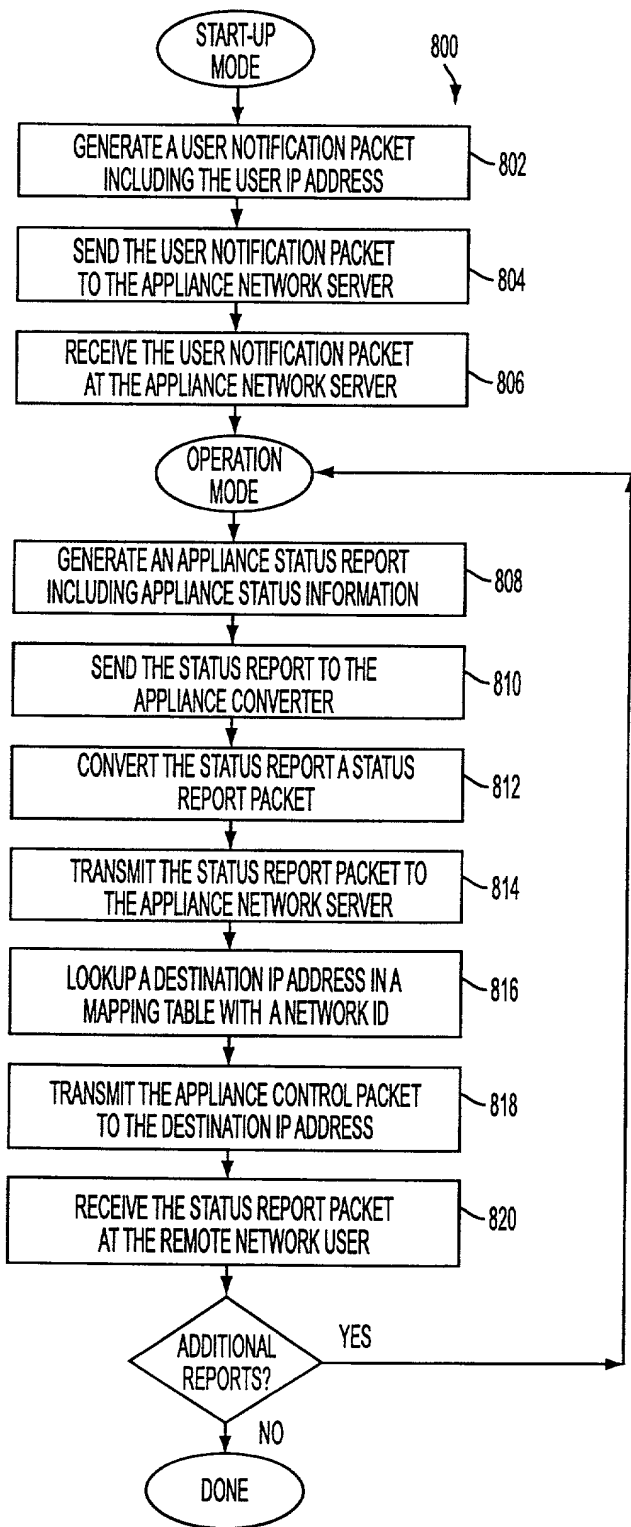


FIG. 35



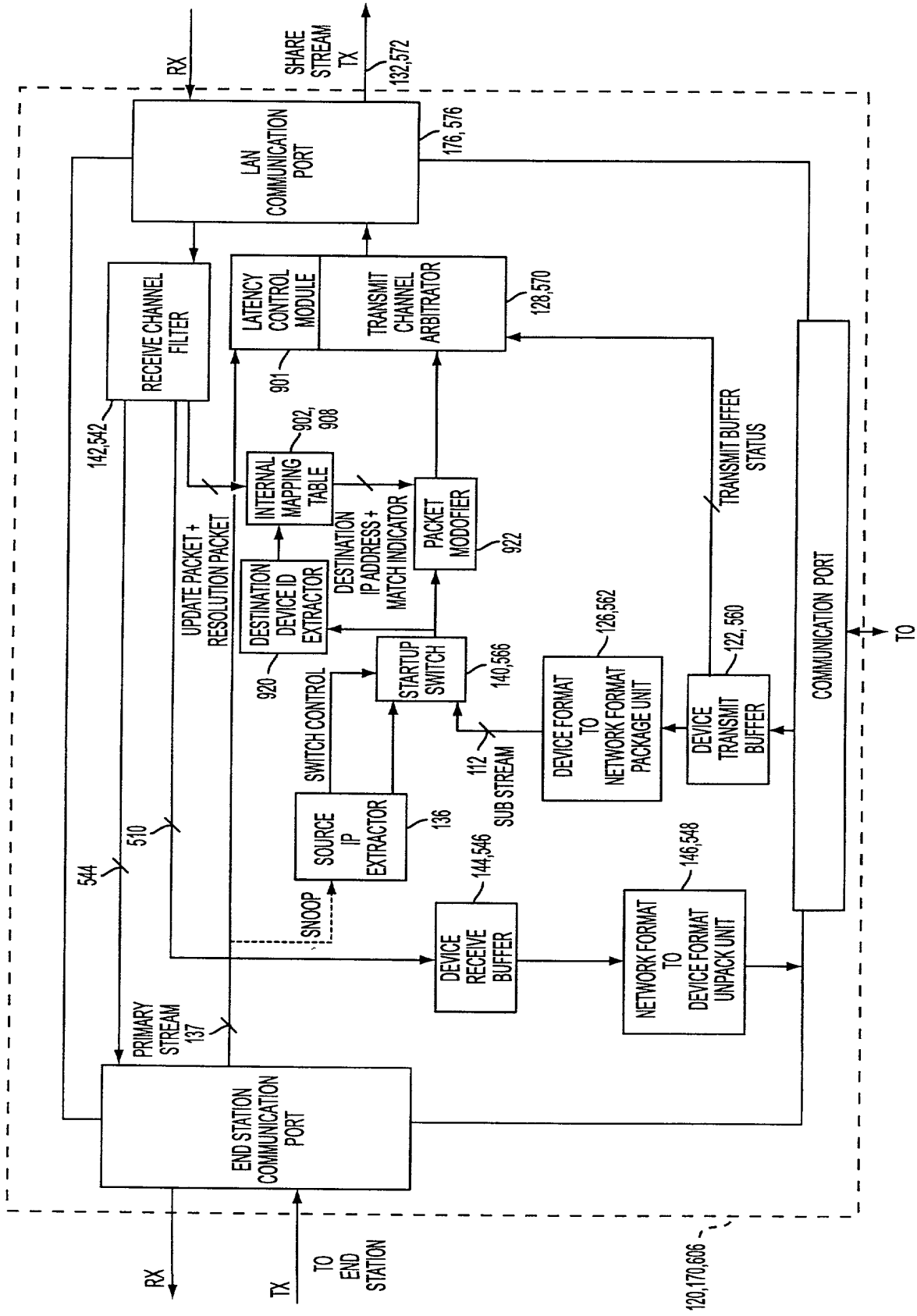


FIG. 36

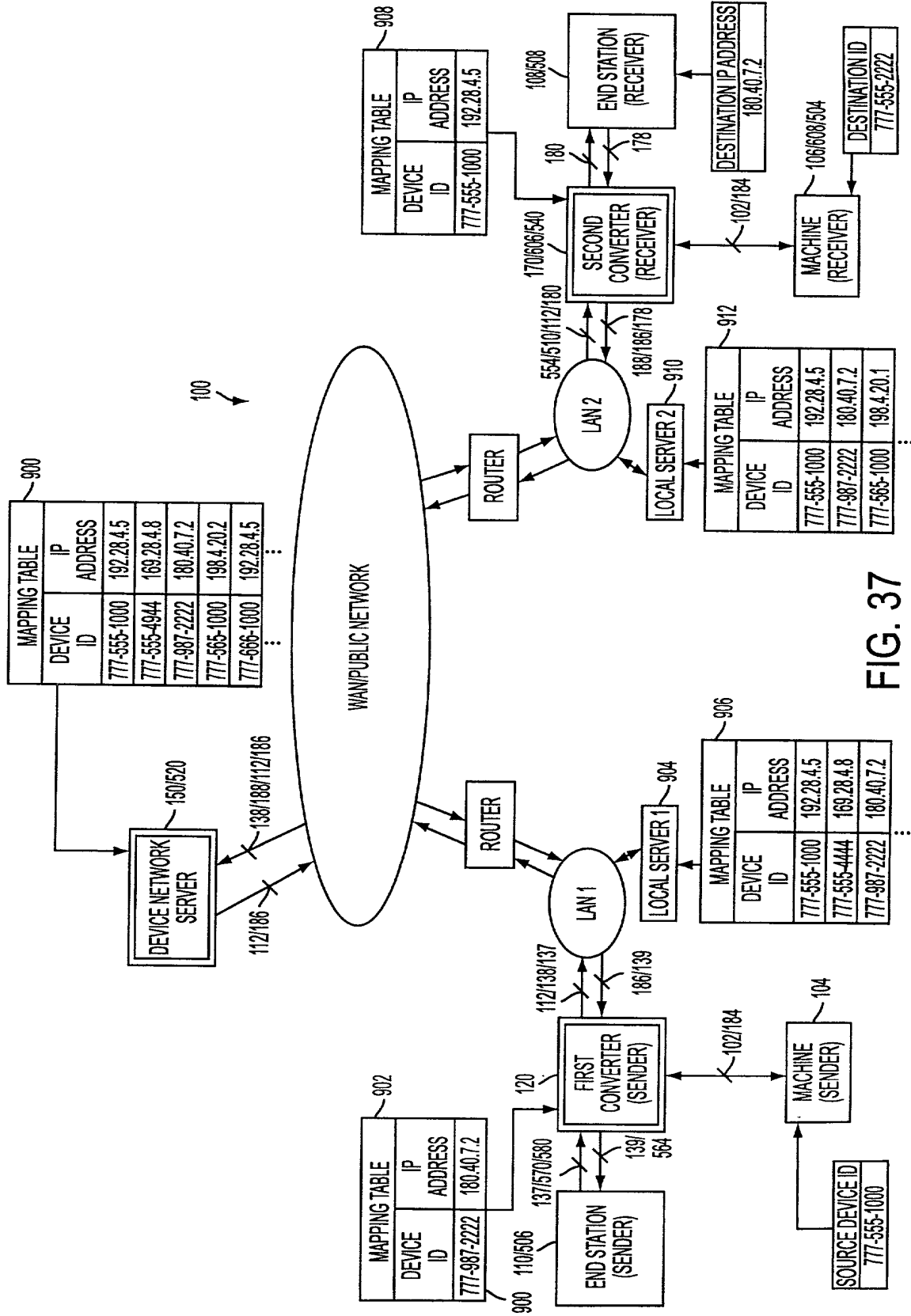


FIG. 37

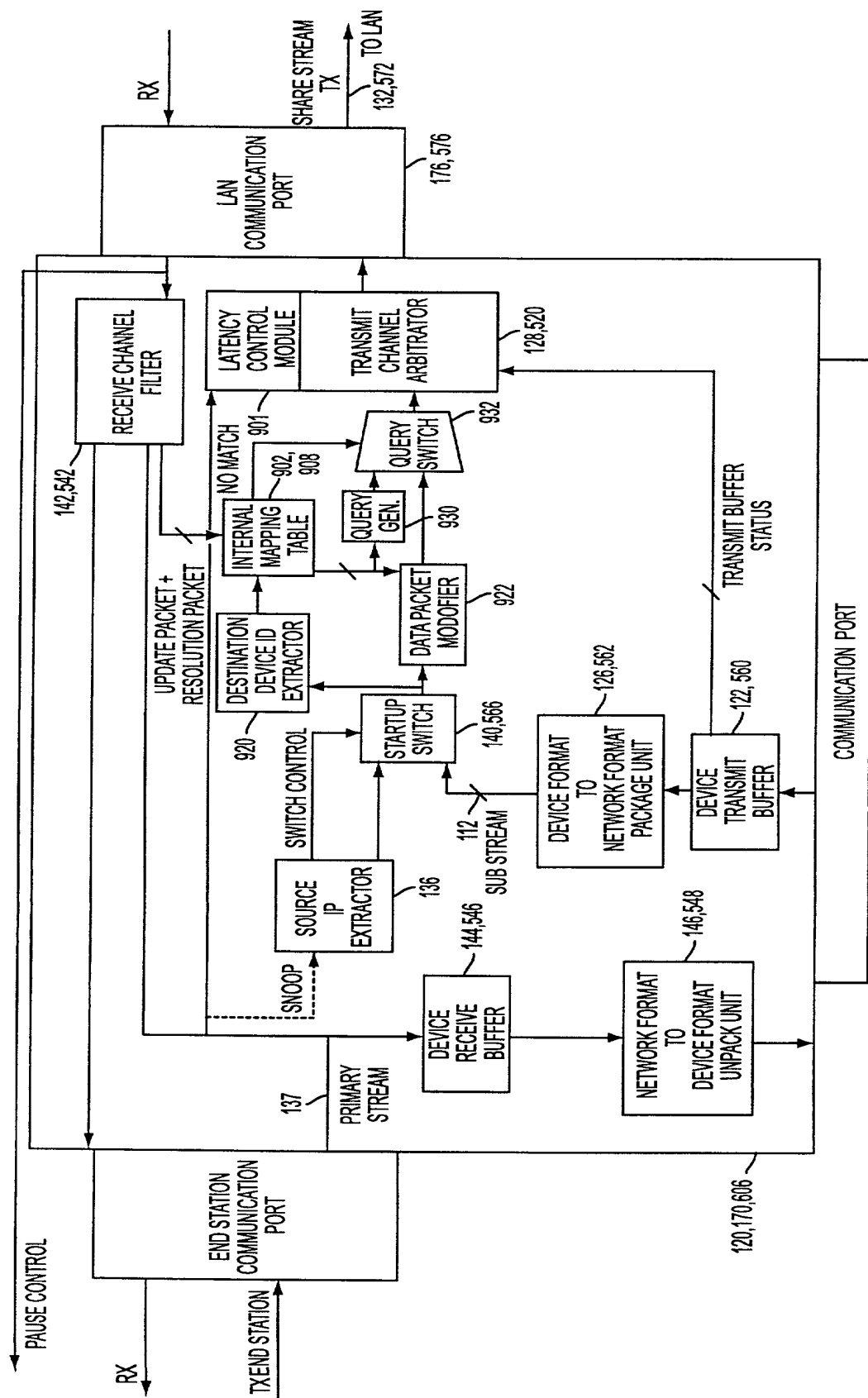


FIG. 38

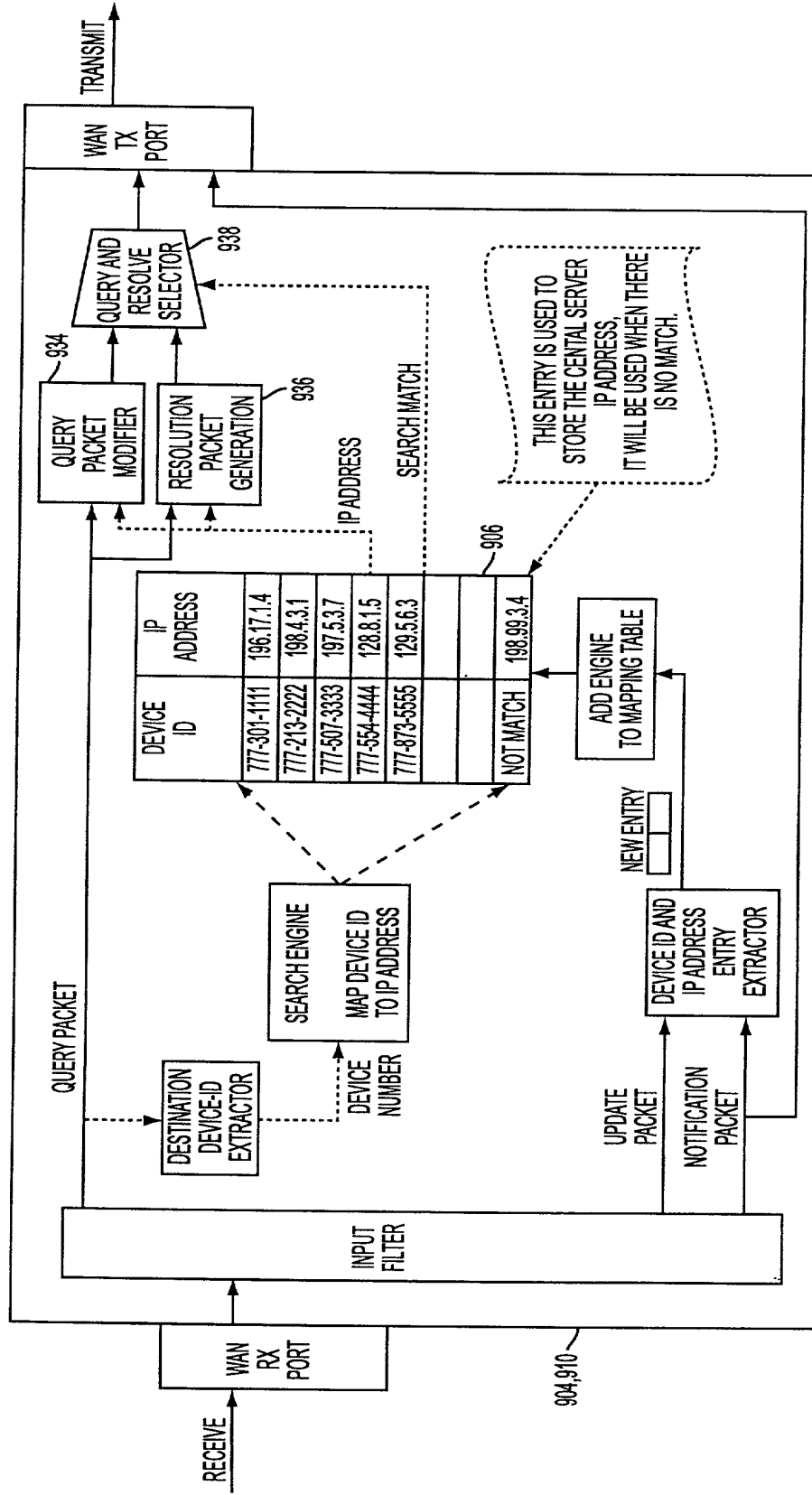


FIG. 39

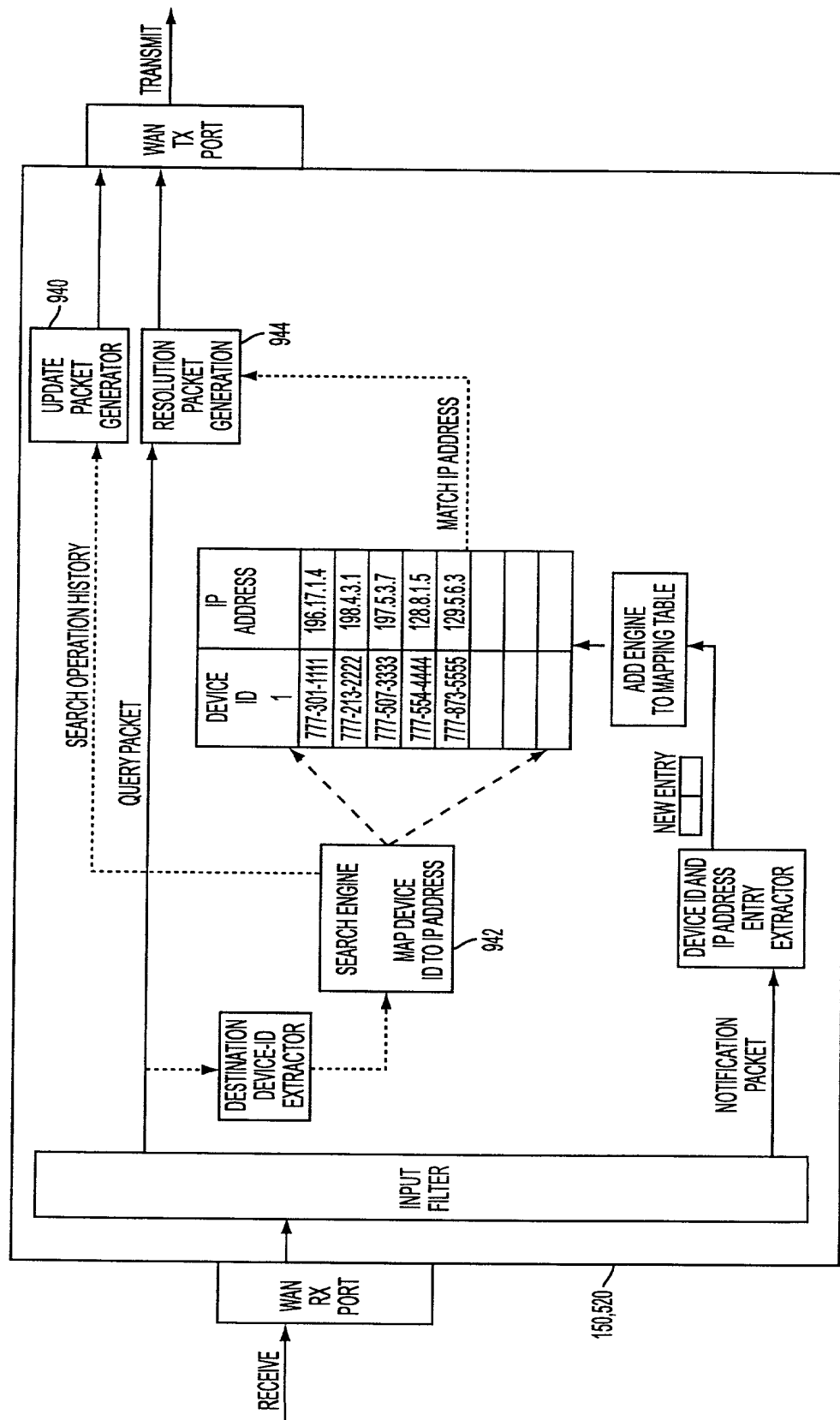


FIG. 40

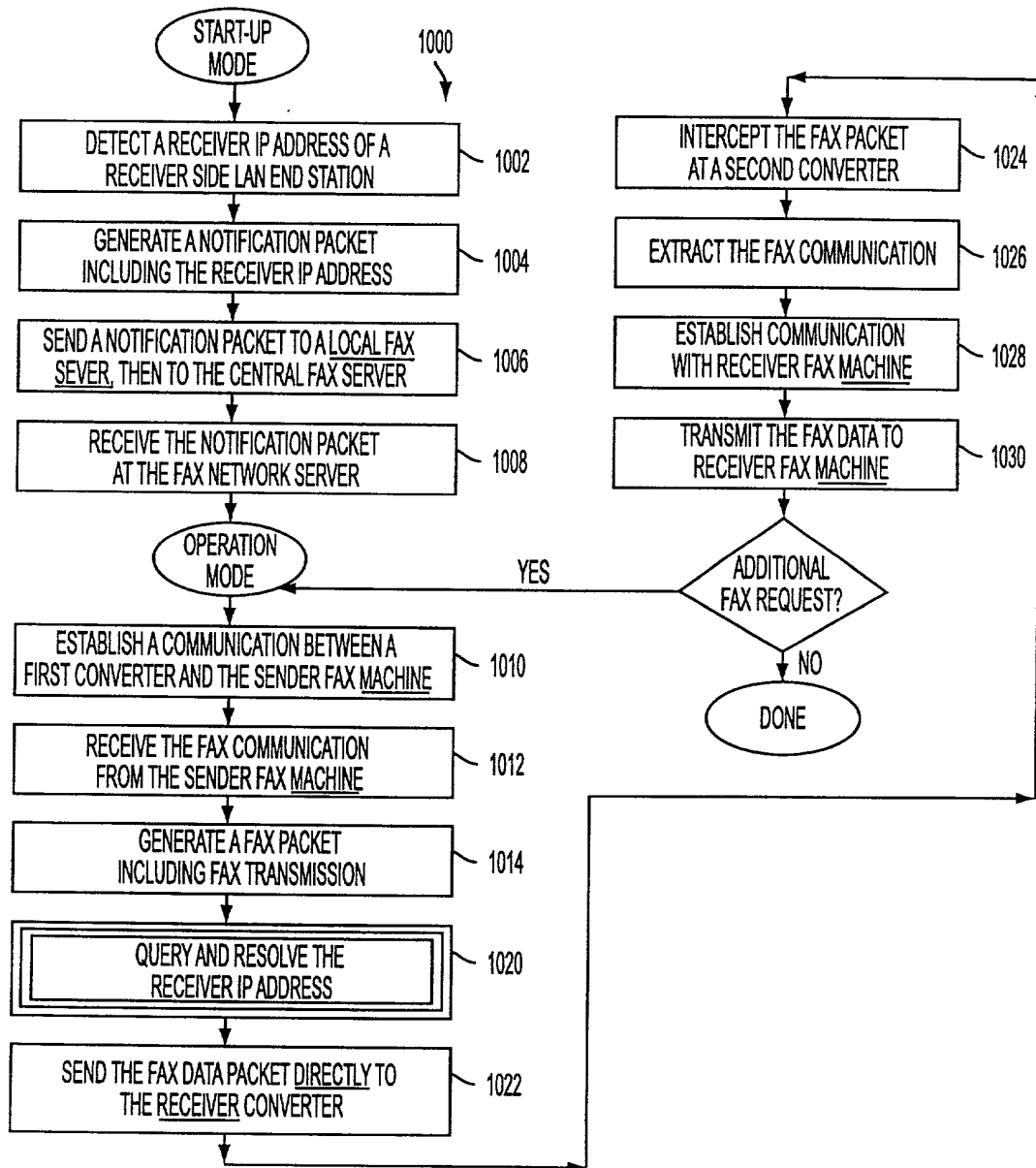


FIG. 41

FIG. 42A

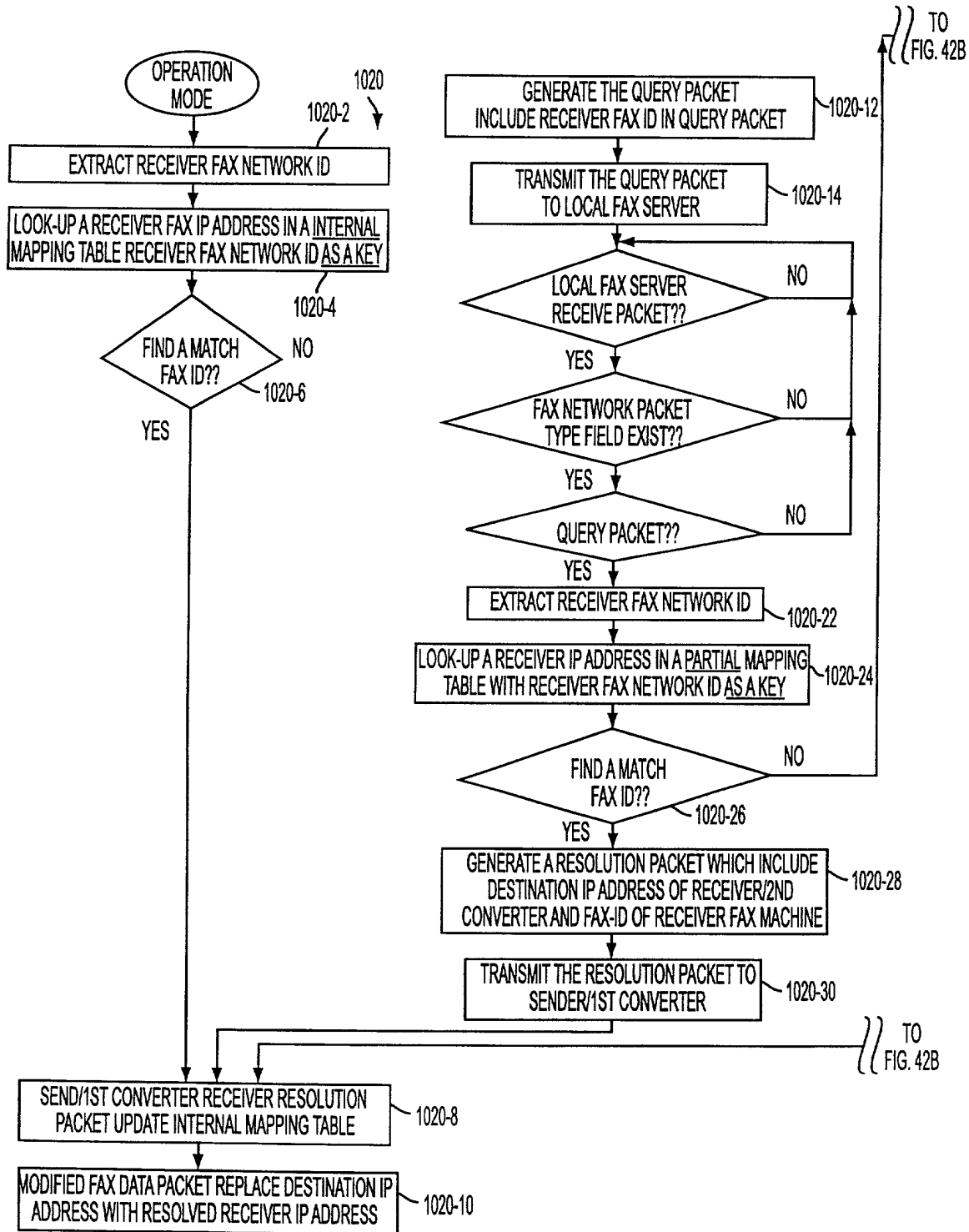


FIG. 42A

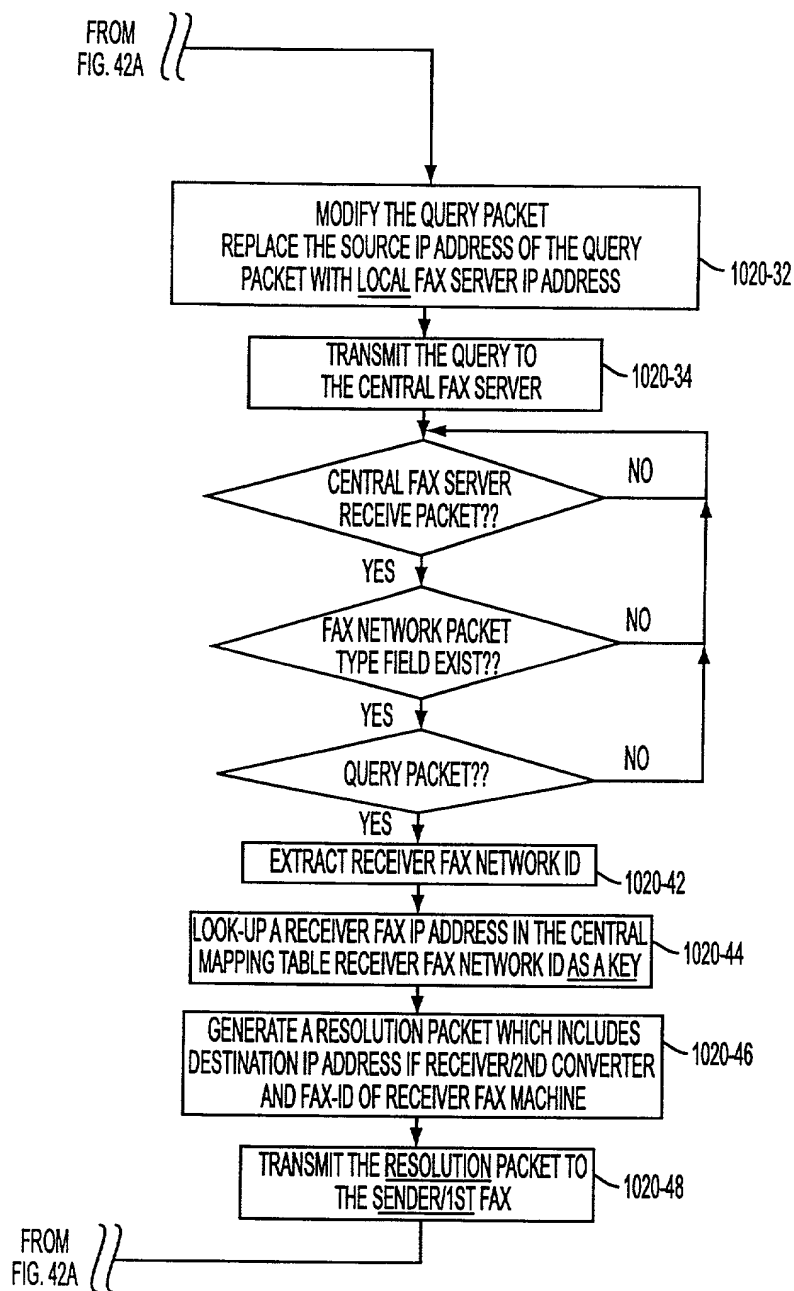


FIG. 42B